# Woody Log Loader, models

## 130 HD | 150 HD | 170 HD
## 130 HDT | 150 HDT | 170 HDT

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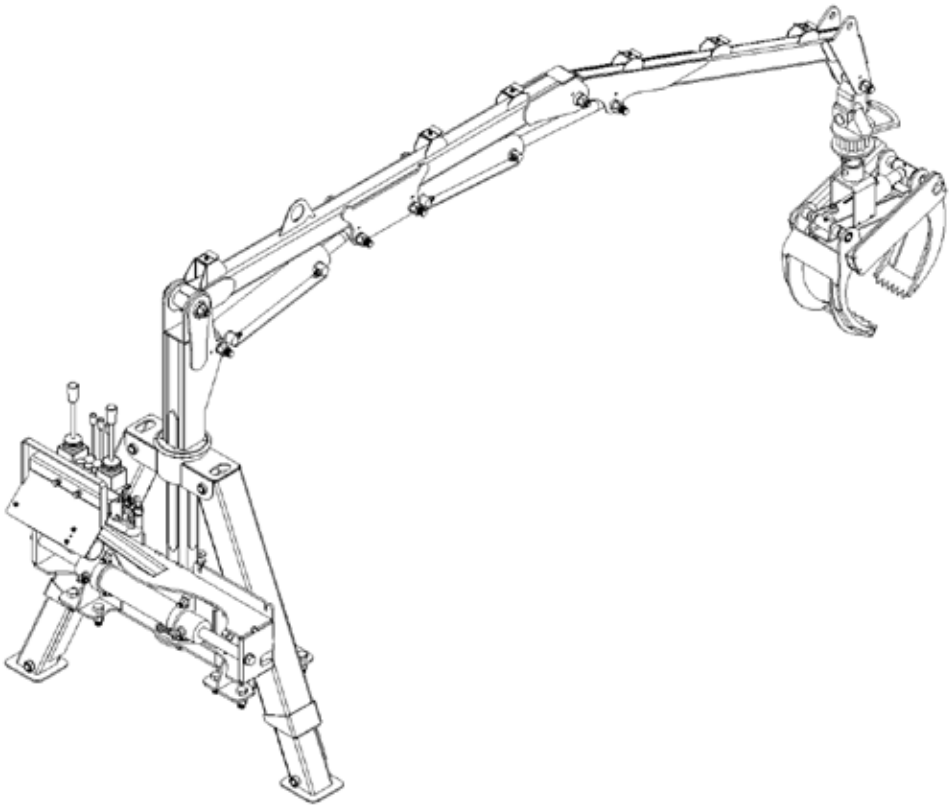
## OPERATOR'S AND MAINTENANCE MANUAL

MADE IN CANADA



Keep this manual handy for use when ordering replacement parts and preforming maintenance.
When ordering parts, mention part name and part number.
Always specify your model number and serial number to ensure delivery of correct parts.

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## Introduction

Congratulations on your purchase of a Woody Log Loader. Woody Equipment designs and manufactures machinery that meets stringent criteria, tailored for professional use in both the agricultural and forestry sectors.

Regardless of your prior experience with similar equipment, we urge you to read the enclosed instructions thoroughly. They provide crucial details about safety and operational efficiency that are essential for maintaining the validity of the factory warranty.

Please note that Woody Equipment reserves the right to update and enhance both our equipment and maintenance guidelines, as well as to amend specifications without prior notification.

For your convenience, record the serial number, model number, purchase date, dealer name, and the name of your sales representative in the space below. Having this information on hand is vital when ordering replacement parts, seeking technical support, or addressing warranty matters.

| | |
|---|---|
| Serial number | |
| Model number | |
| Date purchased | |
| Dealer | |
| Sales Rep. | |

## Contact information

When ordering replacement parts please contact Woody Equipment or your closest authorized Woody Equipment dealer.

**WOODY EQUIPMENT INC.**
205 rue Commerciale
Saint-Odilon (QC)
Canada G0S 3A0

T. 418 464-2748
F. 418 464-2746
slabbe@equipementswoody.com
www.equipementswoody.com

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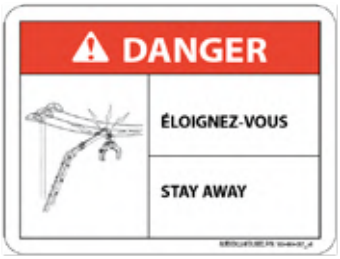
REF.: 20240628-REV0_EN

## Security Label Symbols

The security labels installed on your equipment and illustrated below are intended to alert the operator to potential hazards associated with operating this equipment.

Adherence to these safety guidelines is imperative to prevent the risk of severe injury or death.



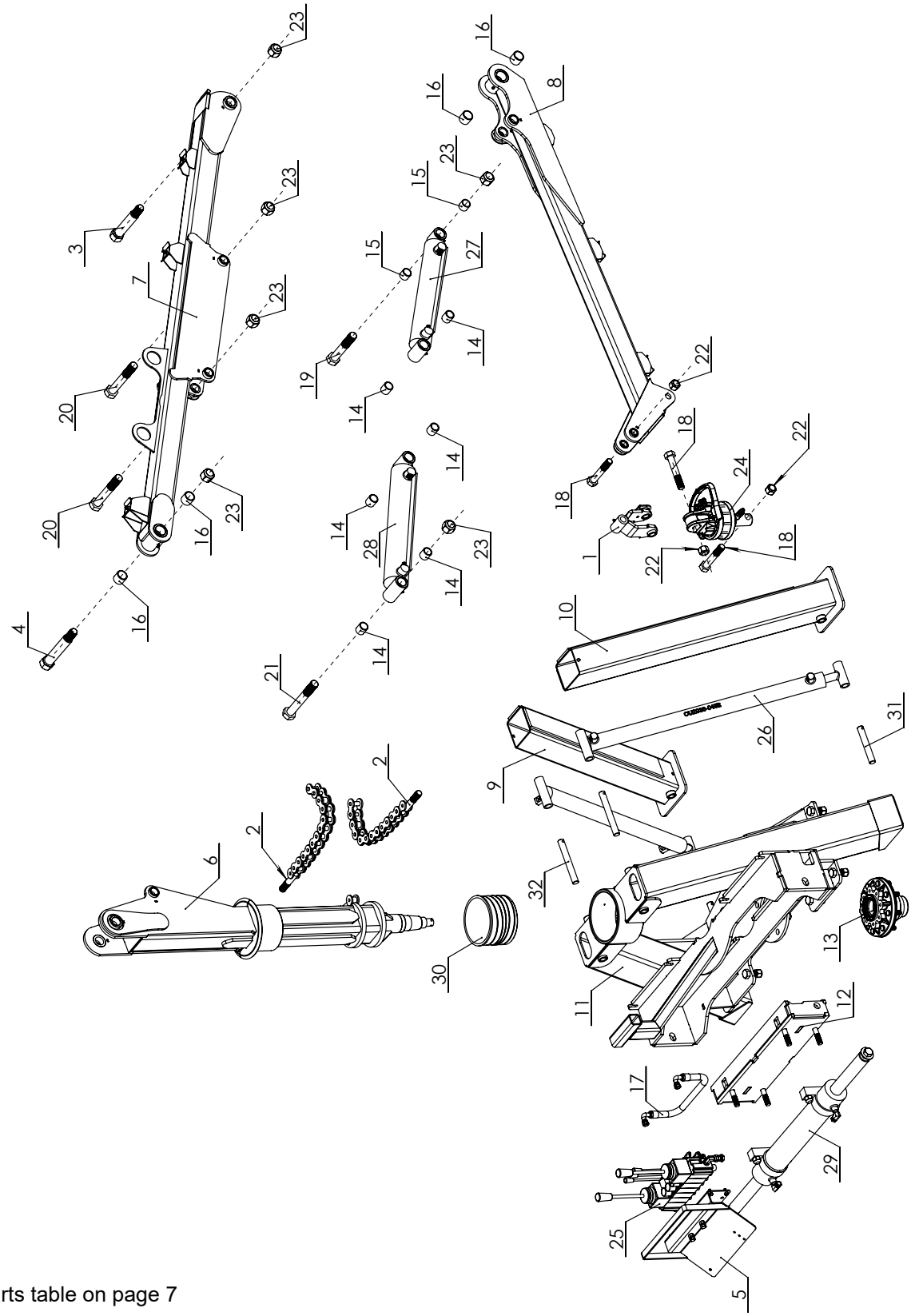
AVERTISSEMENT
MACHINE INSTABLE
Toujours opérer la chargeuse avec les stabilisateurs abaissés sur un sol ferme et au niveau. Assurez-vous d'avoir une stabilité adéquate.
WARNING
UNSTABLE MACHINE
Do not operate loader without lowering the stabilizers on firm level ground and checking for adequate stability.

AVERTISSEMENT
CHUTE DE LA CHARGE OU DES MÂTS
Peut causer de graves blessures ou la mort. Ne jamais déplacer la charge ou les mâts au-dessus du personnel.
WARNING
FALLING BOOM OR LOAD
Can cause severe injuries or death. Do not move boom or load over people.

AVERTISSEMENT
RISQUE D'ÉCRASSEMENT
Les stabilisateurs peuvent causer de graves blessures ou la mort. Gardez le personnel éloigné des stabilisateurs.
WARNING
CRUSHING HAZARD
Stabilizers can cause severe injuries or death. Keep bystanders away from stabilizers.

AVERTISSEMENT
Chaque opérateur de cette chargeuse doit être qualifié et entraîné avant d'opérer cet équipement. Observez les lois fédérales et provinciales sur les règlements de sécurité concernant certains travaux particuliers à effectuer. Ne jamais dépasser les spécifications techniques recommandées de la chargeuse ou de l'attachement. Il est important de suivre les informations sur les collants de sécurité et/ou l'information incluse dans le manuel d'opérateur de la chargeuse ou dans les spécifications techniques, sinon des blessures ou même la mort peuvent en résulter.
WARNING
Any operator of this loader must be fully trained and qualified to do so. Observe all state or provincial safety regulations relating to the particular work being performed. Never exceed recommended technical specifications of the loader or its attachments. Injury, including death may result from failure to follow this warning and/or the information contained in the loader operator's manual/technical specifications sheet.

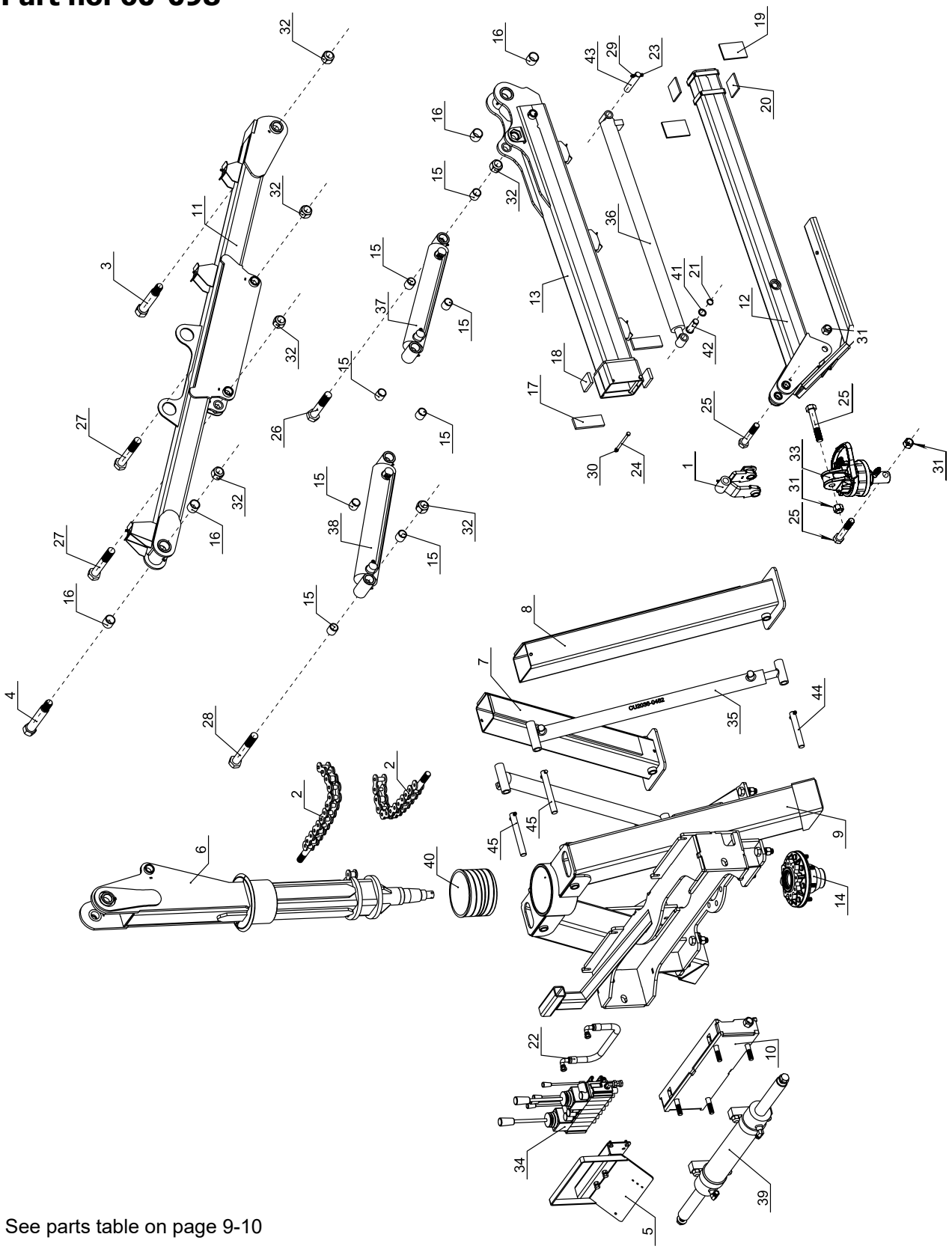
# 130 HD Loader assembly
# Part no. 60-018




See parts table on page 7

| PARTS LIST - LOADER 130 HD, PART NO. 60-018 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-004-08 | Rotation chain | 2 |
| 3 | 60-006-08 | Stick boom pin | 1 |
| 4 | 60-006-09 | Main boom pin | 1 |
| 5 | 60-010-04 | Control valve support | 1 |
| 6 | 60-018-02 | Loader column | 1 |
| 7 | 60-018-03 | Main boom | 1 |
| 8 | 60-018-04 | Stick boom | 1 |
| 9 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 10 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 11 | 60-018-14 | Loader frame | 1 |
| 12 | 60-020-30 | Loader swing | 1 |
| 13 | 306401 | Hub 10000 lbss 8 nut assembly (pag 47) | 1 |
| 14 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 6 |
| 15 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 2 |
| 16 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 17 | 140040-020-100600-100600 | Hose assembly 1/2" - 20" long | 1 |
| 18 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 19 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 20 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 21 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 22 | 301500 | Nylon nut 1"-8 | 3 |
| 23 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 24 | 199309 | Rotator assembly CR30 | 1 |
| 25 | 130240 | Control valve Q30/7 with shock absorber (see page 21) | 1 |
| 26 | 120232 | Hydraulic cylinder 2" x 36" stroke | 2 |
| 27 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" | 1 |
| 28 | 120482 | Hydraulic cylinder 3" x 16" stroke | 1 |
| 29 | 120652 | Hydraulic cylinder 3 1/2" x 18" stroke | 1 |
| 30 | 60-003-055 | Rotation sleeve | 1 |

# 130 HDT Loader assembly
# Part no. 60-098

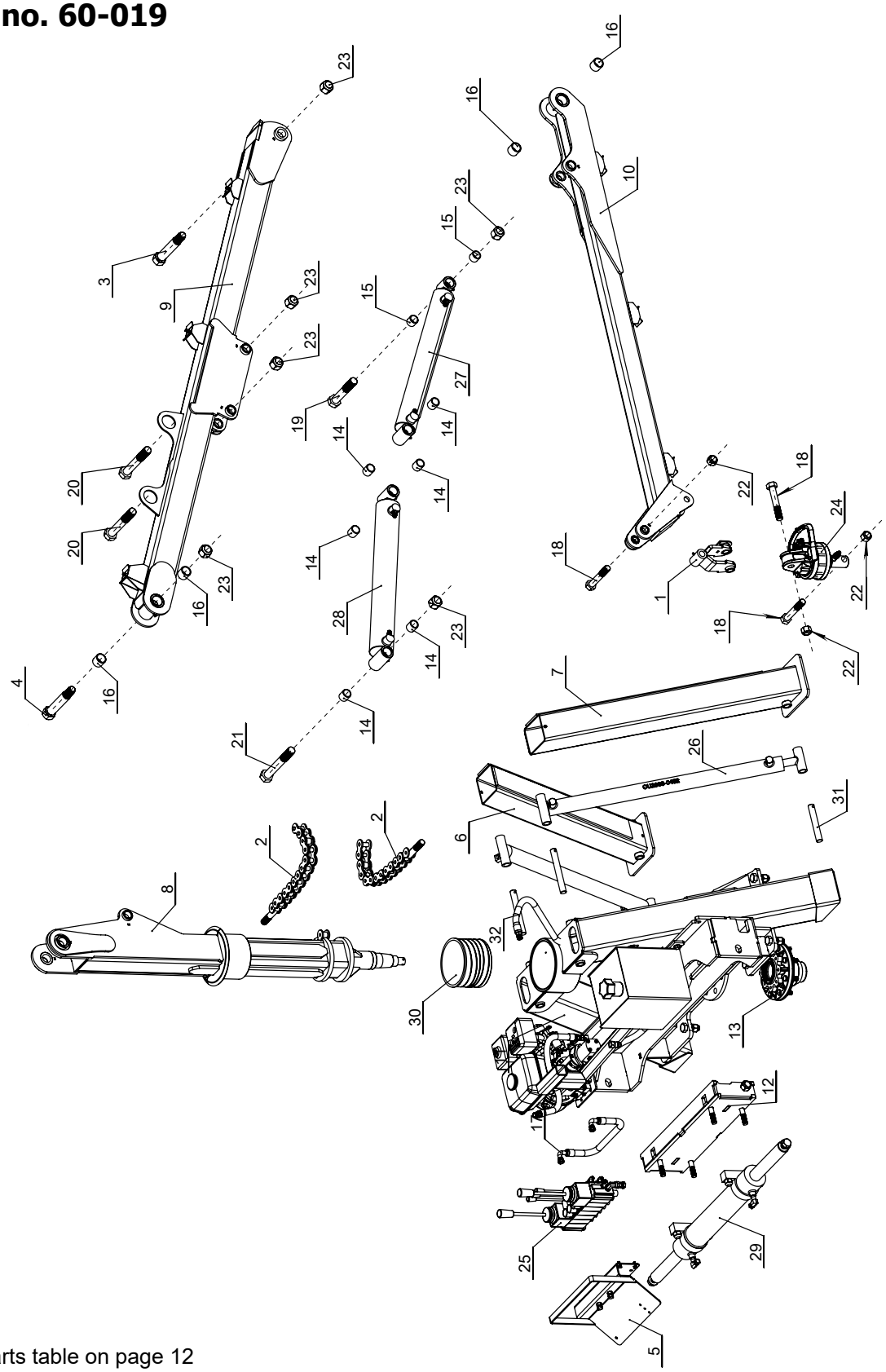



See parts table on page 9-10

| PARTS LIST - LOADER 130 HDT, PART NO. 60-098 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-004-08 | Rotation chain | 2 |
| 3 | 60-006-08 | Stick boom pin | 1 |
| 4 | 60-006-09 | Main boom pin | 1 |
| 5 | 60-010-04 | Control valve support | 1 |
| 6 | 60-018-02 | Loader column | 1 |
| 7 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 8 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 9 | 60-018-14 | Loader frame | 1 |
| 10 | 60-020-30 | Loader swing | 1 |
| 11 | 60-030-02 | Main boom | 1 |
| 12 | 60-096-11 | Telescopic boom | 1 |
| 13 | 60-096-12 | Stick boom | 1 |
| 14 | 306401 | Hub 10000 lbss 8 nuts assembly (pag 47) | 1 |
| 15 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 8 |
| 16 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 17 | 60-096-002 | Telescopic guide | 2 |
| 18 | 60-096-003 | Telescopic guide | 2 |
| 19 | 60-096-007 | Telescopic guide | 2 |
| 20 | 60-076-006 | Telescopic guide | 2 |
| 21 | 307060 | Snap-ring 1" thick | 2 |
| 22 | 140040-020-100600-100600 | Hose assembly 1/2" - 20" long | 1 |
| 23 | 300730 | Bolt 5/16"-18 x 2" long | 5 |
| 24 | 300597 | Bolt 3/8"-16 x 6" long | 2 |
| 25 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 26 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 27 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 28 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 29 | 301560 | Nylon nut 5/16"-18 | 13 |
| 30 | 301550 | Nylon nut 3/8"-16 | 2 |
| 31 | 301500 | Nylon nut 1"-8 | 3 |
| 32 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 33 | 199309 | Rotator assembly CR30 | 1 |
| 34 | 130250 | Control valve Q30/8 with shock absorber (see page 21) | 1 |
| 35 | 120232 | Hydraulic cylinder 2" x 36" stroke | 2 |

| PARTS LIST - LOADER 130 HDT, PART NO. 60-098 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 36 | 120233 | Hydraulic cylinder 2" x 36" stroke | 1 |
| 37 | 120482 | Hydraulic cylinder 3" x 16" stroke | 1 |
| 38 | 120652 | Hydraulic cylinder 3 1/2" x 18" stroke | 1 |
| 39 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" stroke | 1 |
| 40 | 60-003-055 | Rotation sleeve | 1 |
| 41 | 60-000-150 | Sleeve | 2 |
| 42 | 60-030-049 | Pin | 1 |
| 43 | 60-098-010 | Pin 1" O.D. | 1 |
| 44 | 86-16-108-E08-00 | Pin 1" O.D. | 2 |
| 45 | 86-16-130-E08-00 | Pin 1" O.D. | 2 |

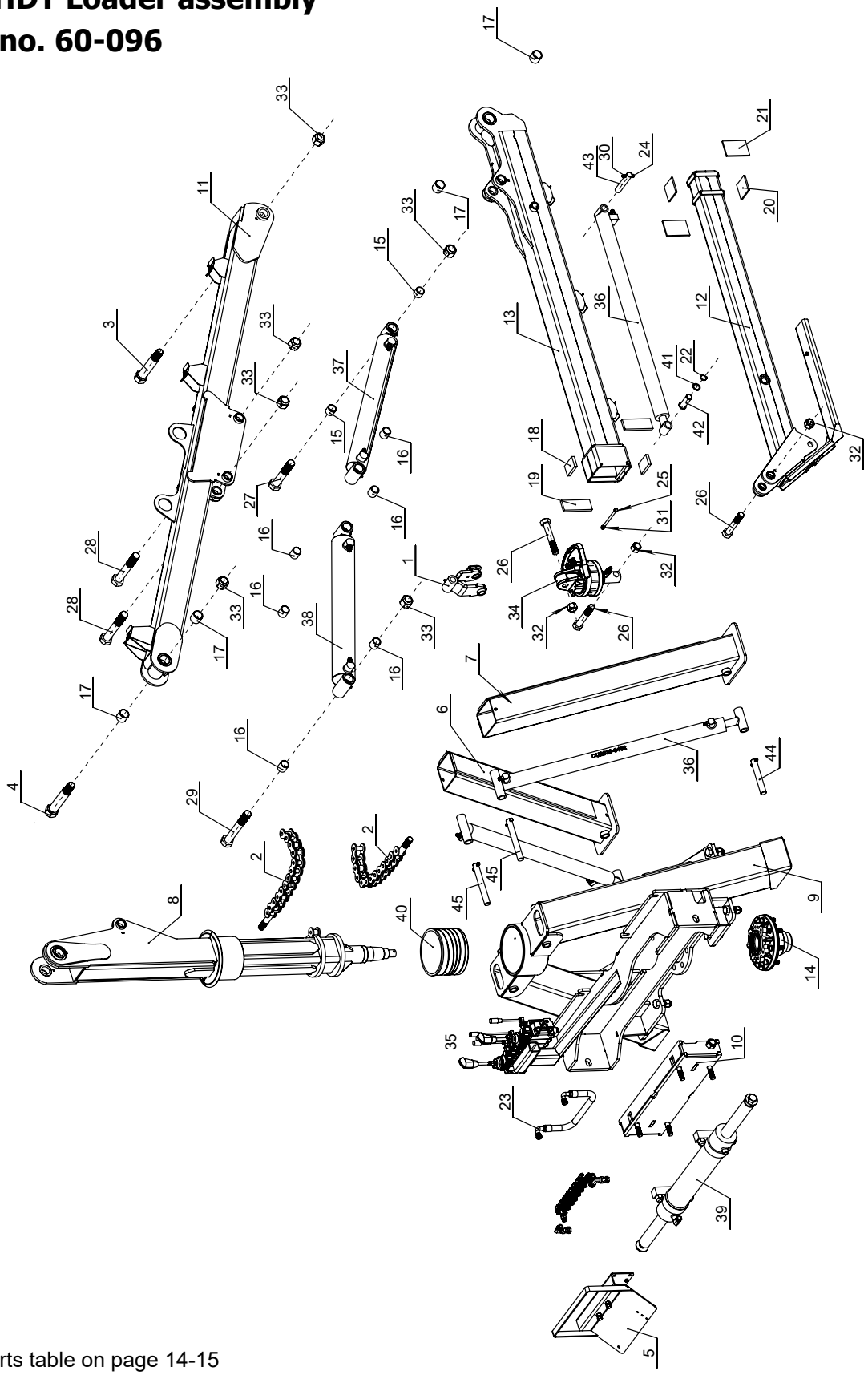
# 150 HD Loader assembly
# Part no. 60-019




See parts table on page 12

| PARTS LIST - LOADER 150 HD, PART NO. 60-019 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-004-08 | Rotation chain | 2 |
| 3 | 60-006-08 | Stick boom pin | 1 |
| 4 | 60-006-09 | Main boom pin | 1 |
| 5 | 60-010-04 | Control valve support | 1 |
| 6 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 7 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 8 | 60-019-02 | Loader column | 1 |
| 9 | 60-019-03 | Main boom | 1 |
| 10 | 60-019-04 | Stick boom | 1 |
| 11 | 60-019-11 | Loader frame | 1 |
| 12 | 60-020-30 | Loader swing | 1 |
| 13 | 306401 | Hub 10000 lbss 8 nuts assembly (pag 47) | 1 |
| 14 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 6 |
| 15 | 111012 | Bushing 1.25 x 1.5 x 1.5 (1 1/4 long) | 2 |
| 16 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 17 | 140040-020-100600-100600 | Hose Assembly 1/2" - 20" long | 1 |
| 18 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 19 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 20 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 21 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 22 | 301500 | Nylon nut 1"-8 | 3 |
| 23 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 24 | 199309 | Rotator assembly CR30 | 1 |
| 25 | 130240 | Control valve Q30/7 with shock absorber (see page 21) | 1 |
| 26 | 120232 | Hydraulic cylinder 2" x 36" stoke | 2 |
| 27 | 120512 | Hydraulic cylinder 3" x 24" stoke | 1 |
| 28 | 120672 | Hydraulic cylinder 3 1/2" x 24" stoke | 1 |
| 29 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" stroke | 1 |
| 30 | 60-003-055 | Rotation sleeve | 1 |
| 31 | 86-16-108-E08-00 | Pin 1" O.D. | 2 |
| 32 | 86-16-130-E08-00 | Pin 1" O.D. | 2 |

# 150 HDT Loader assembly
# Part no. 60-096

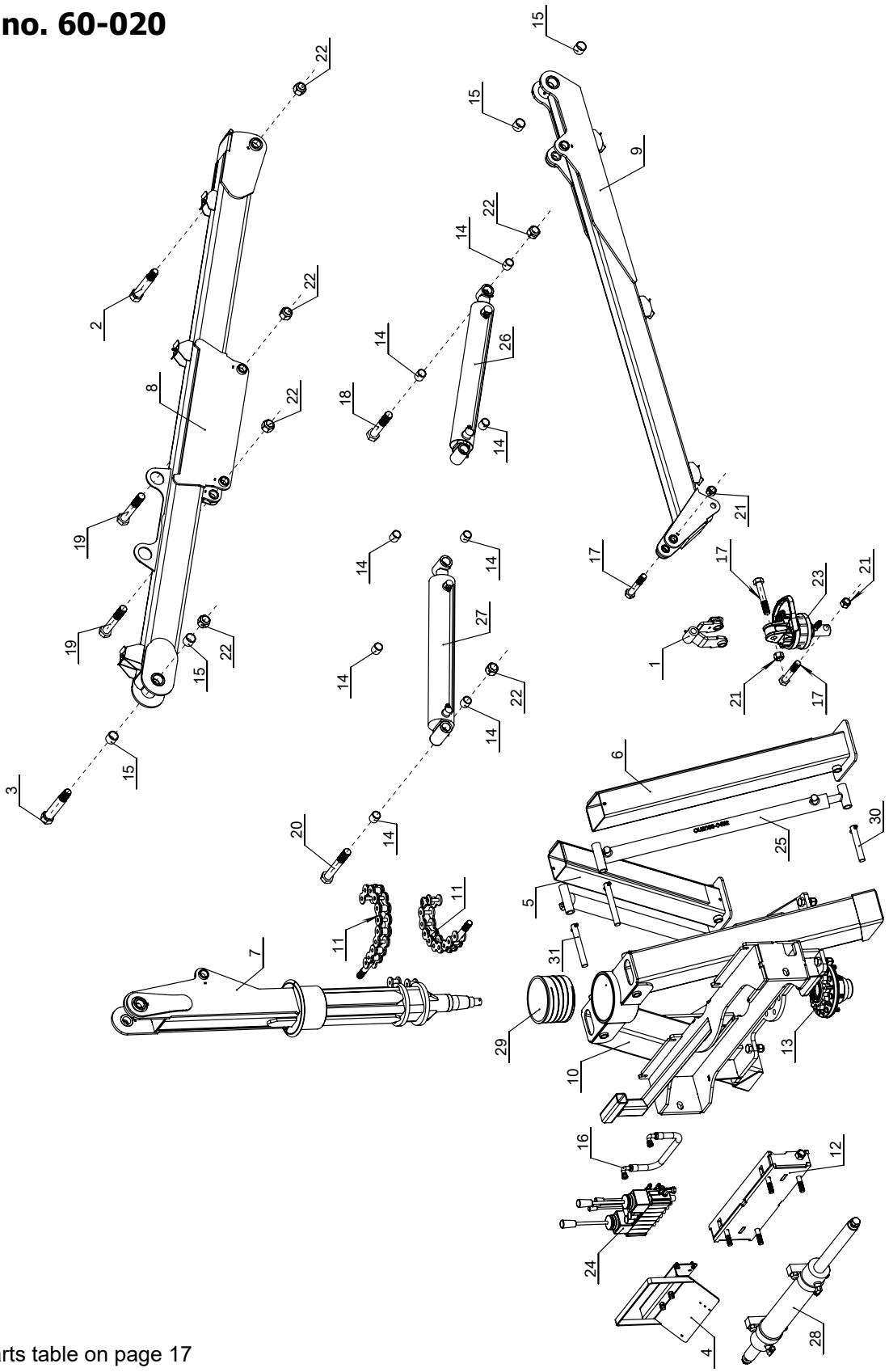



See parts table on page 14-15

| PARTS LIST - LOADER 150 HDT, PART NO. 60-096 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-004-08 | Rotation chain | 2 |
| 3 | 60-006-08 | Stick boom pin | 1 |
| 4 | 60-006-09 | Main boom pin | 1 |
| 5 | 60-010-04 | Control valve support | 1 |
| 6 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 7 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 8 | 60-019-02 | Loader column | 1 |
| 9 | 60-019-11 | Loader frame | 1 |
| 10 | 60-020-30 | Loader swing | 1 |
| 11 | 60-096-02 | Main boom | 1 |
| 12 | 60-096-11 | Telescopic boom | 1 |
| 13 | 60-096-12 | Stick boom | 1 |
| 14 | 306401 | Hub 10000 lbs 8 nuts assembly (pag 47) | 1 |
| 15 | 111012 | Bushing 1.25 x 1.5 x 1.5 (1 1/4 long) | 2 |
| 16 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 6 |
| 17 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 18 | 60-096-003 | Telescopic guide | 2 |
| 19 | 60-096-002 | Telescopic guide | 2 |
| 20 | 60-076-006 | Telescopic guide | 2 |
| 21 | 60-096-007 | Telescopic guide | 2 |
| 22 | 307060 | Snap-ring 1" thick | 2 |
| 23 | 140040-020-100600-100600 | Hose assembly 1/2" - 20" long | 1 |
| 24 | 300730 | Bolt 5/16"-18 x 2" long | 5 |
| 25 | 300597 | Bolt 3/8"-16 x 6" long | 2 |
| 26 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 27 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 28 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 29 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 30 | 301560 | Nylon nut 5/16"-18 | 13 |
| 31 | 301550 | Nylon nut 3/8"-16 | 2 |
| 32 | 301500 | Nylon nut 1"-8 | 3 |
| 33 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 34 | 199309 | Rotator assembly CR30 | 1 |
| 35 | 130250 | Control valve Q30/8 with shock absorber (see page 21) | 1 |

| PARTS LIST - LOADER 150 HDT, PART NO. 60-096 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 36 | 120232 | Hydraulic cylinder 2" x 36" stroke | 3 |
| 37 | 120512 | Hydraulic cylinder 3" x 24" stroke | 1 |
| 38 | 120672 | Hydraulic cylinder 3 1/2" x 24" stroke | 1 |
| 39 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" stroke | 1 |
| 40 | 60-003-055 | Rotation sleeve | 1 |
| 41 | 60-000-150 | Washer | 2 |
| 42 | 60-030-049 | Pin | 1 |
| 43 | 86-16-86-E08-00 | Pin 1" O.D. | 1 |
| 44 | 86-16-108-E08-00 | Pin 1" O.D. | 2 |
| 45 | 86-16-130-E08-00 | Pin 1" O.D. | 2 |

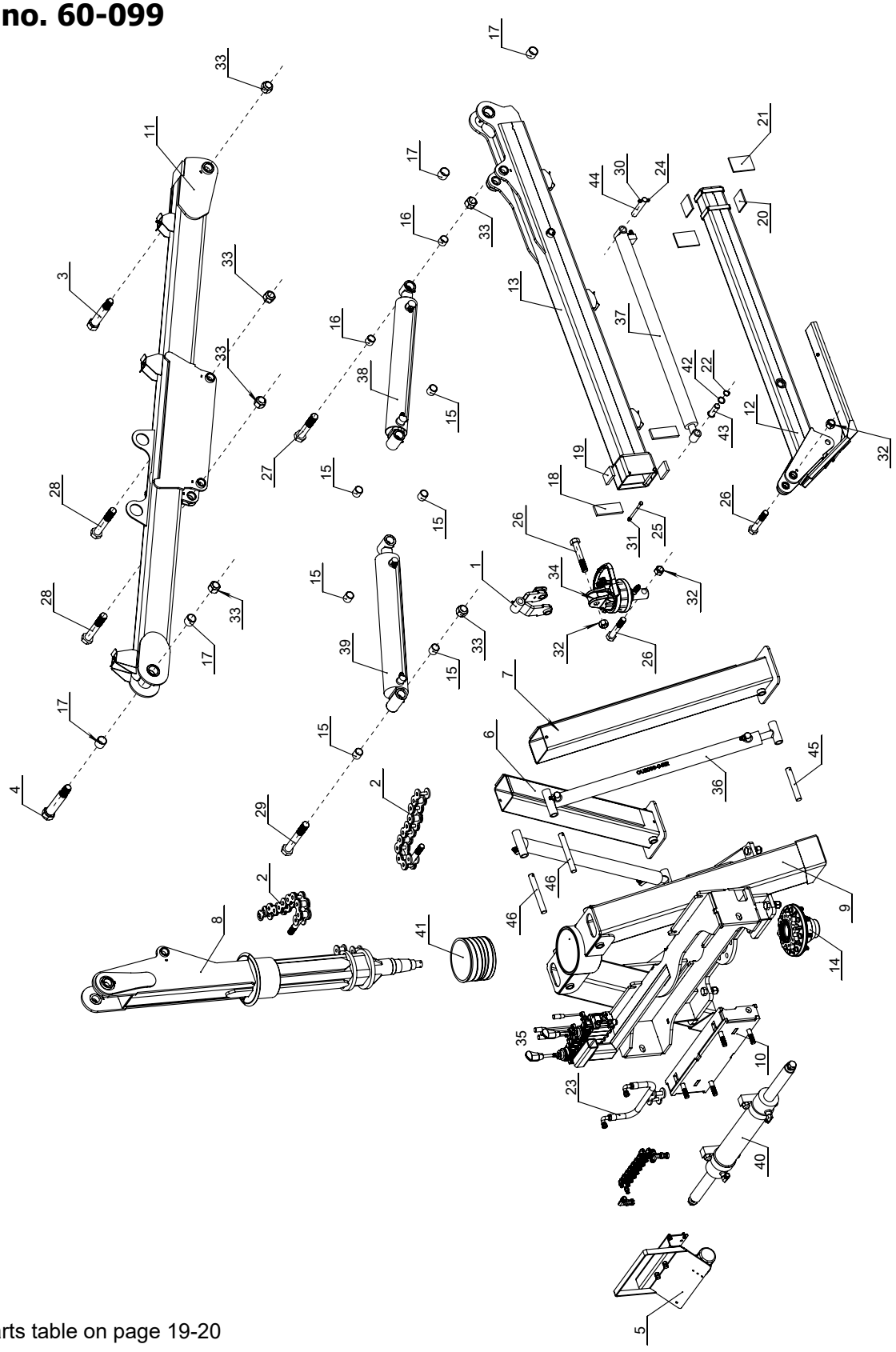
# 170 HD Loader assembly
# Part no. 60-020




See parts table on page 17

| PARTS LIST - LOADER 170 HD, PART NO. 60-020 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-006-08 | Stick boom pin | 1 |
| 3 | 60-006-09 | Main boom pin | 1 |
| 4 | 60-010-04 | Control valve support | 1 |
| 5 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 6 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 7 | 60-020-02 | Loader column | 1 |
| 8 | 60-020-03 | Main boom | 1 |
| 9 | 60-024-04 | Stick boom | 1 |
| 10 | 60-020-10 | Loader frame | 1 |
| 11 | 60-020-22 | Rotation chain | 2 |
| 12 | 60-020-30 | Loader swing | 1 |
| 13 | 306401 | Hub 10000 lbss 8 nuts assembly (pag 47) | 1 |
| 14 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 8 |
| 15 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 16 | 140040-020-100600-100600 | Hose assembly 1/2" - 20" long | 1 |
| 17 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 18 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 19 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 20 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 21 | 301500 | Nylon nut 1"-8 | 3 |
| 22 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 23 | 199309 | Rotator assembly CR30 | 1 |
| 24 | 130240 | Control valve Q30/7 with shock absorber (see page 21) | 1 |
| 25 | 120232 | Hydraulic cylinder 2" x 36" stroke | 2 |
| 26 | 120675 | Hydraulic cylinder 3 1/2" x 24" stroke | 1 |
| 27 | 120835 | Hydraulic cylinder 4" dia. x 24" stroke | 1 |
| 28 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" stroke | 1 |
| 29 | 60-003-055 | Rotation sleeve | 1 |
| 30 | 86-16-108-E08-00 | Pin 1" O.D. | 2 |
| 31 | 86-16-130-E08-00 | Pin 1" O.D. | 2 |

# 170 HDT Loader assembly
# Part no. 60-099

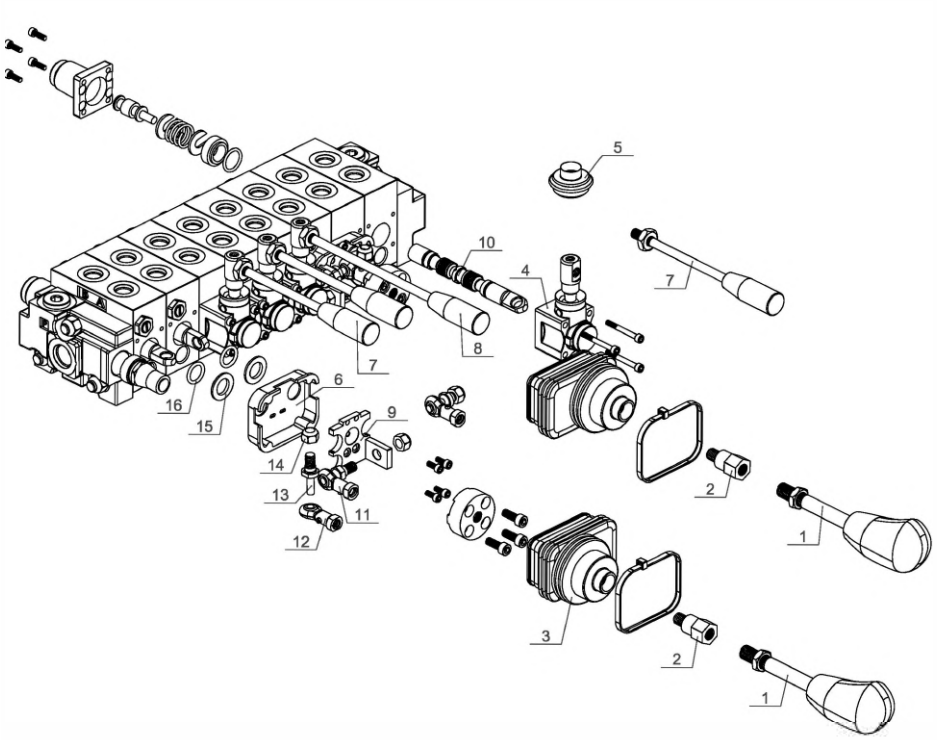


See parts table on page 19-20

| PARTS LIST - LOADER 170 HDT, PART NO. 60-099 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 60-020-06 | Rotation chain | 2 |
| 3 | 60-006-08 | Stick boom pin | 1 |
| 4 | 60-006-09 | Main boom pin | 1 |
| 5 | 60-010-04 | Control valve support | 1 |
| 6 | 60-018-05 | Telescopic stabilizer leg | 1 |
| 7 | 60-018-06 | Telescopic stabilizer leg | 1 |
| 8 | 60-020-02 | Loader column | 1 |
| 9 | 60-020-10 | Loader frame | 1 |
| 10 | 60-020-30 | Loader swing | 1 |
| 11 | 60-032-02 | Main boom | 1 |
| 12 | 60-096-11 | Telescopic boom | 1 |
| 13 | 60-099-12 | Stick boom | 1 |
| 14 | 306401 | Hub 10000 lbss 8 nuts assembly (pag 47) | 1 |
| 15 | 111012 | Bushing 1.25 x 1.5 x 1.5 | 6 |
| 16 | 111012 | Bushing 1.25 x 1.5 x 1.5 (1 1/4 long) | 2 |
| 17 | 111020 | Bushing 1.5 x 1.75 x 1.5 | 4 |
| 18 | 60-096-002 | Telescopic guide | 2 |
| 19 | 60-096-003 | Telescopic guide | 2 |
| 20 | 60-076-006 | Telescopic guide | 2 |
| 21 | 60-096-007 | Telescopic guide | 2 |
| 22 | 307060 | Snap-ring 1" thick | 2 |
| 23 | 140040-020-100600-100600 | Hose assembly 1/2" - 20" long | 1 |
| 24 | 300730 | Bolt 5/16"-18 x 2" long | 5 |
| 25 | 300597 | Bolt 3/8"-16 x 6" long | 2 |
| 26 | 300320 | Bolt 1"-8 x 6" long | 1 |
| 27 | 300280 | Bolt 1 1/4"-12 x 7" long | 1 |
| 28 | 300281 | Bolt 1 1/4"-12 x 8" long | 2 |
| 29 | 300290 | Bolt 1 1/4"-12 x 9" long | 1 |
| 30 | 301560 | Nylon nut 5/16"-18 | 13 |
| 31 | 301550 | Nylon nut 3/8"-16 | 2 |
| 32 | 301500 | Nylon nut 1"-8 | 3 |
| 33 | 301530 | Nylon nut 1 1/4"-12 | 6 |
| 34 | 199309 | Rotator assembly CR30 | 1 |
| 35 | 130250 | Control valve Q30/8 with shock absorber (see page 21) | 1 |

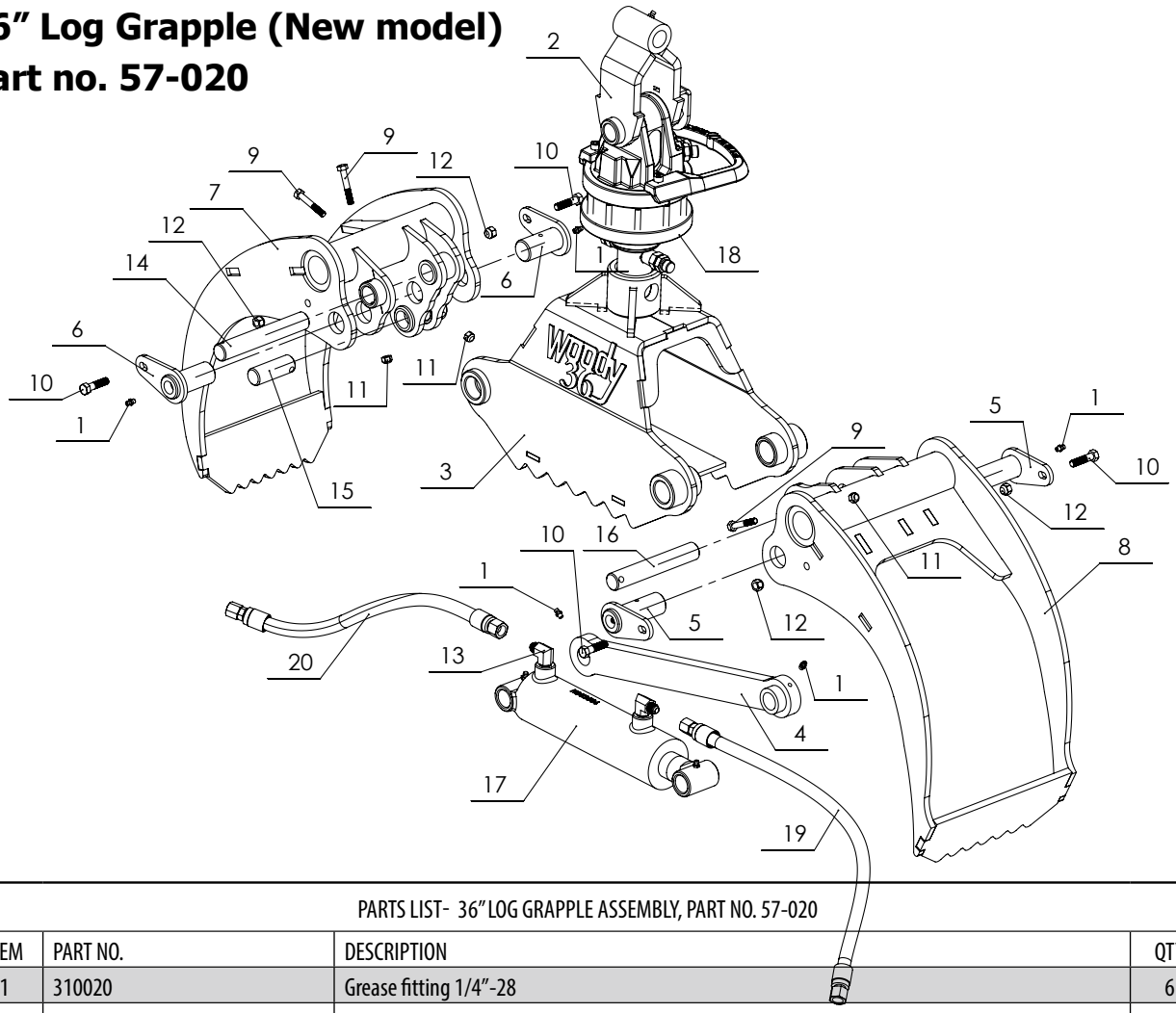
| PARTS LIST - LOADER 170 HDT, PART NO. 60-099 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 36 | 120232 | Hydraulic cylinder 2" x 36" stroke | 2 |
| 37 | 120233 | Hydraulic cylinder 2" x 36" stroke | 1 |
| 38 | 120675 | Hydraulic cylinder 3 1/2" x 24" stroke | 1 |
| 39 | 120835 | Hydraulic cylinder 4" x 24" stroke | 1 |
| 40 | 121080 | Double hydraulic cylinder 3 1/2" x 19 1/2" stroke | 1 |
| 41 | 60-003-055 | Rotation sleeve | 1 |
| 42 | 60-000-150 | Washer | 2 |
| 43 | 60-030-049 | Pin | 1 |
| 44 | 60-098-010 | Pin 1" O.D. | 1 |
| 45 | 86-16-108-E08-00 | Pin 1" O.D. | 2 |
| 46 | 86-16-130-E08-00 | Pin 1" O.D. | 2 |

# 8 Sections Valve Q30
# Part List



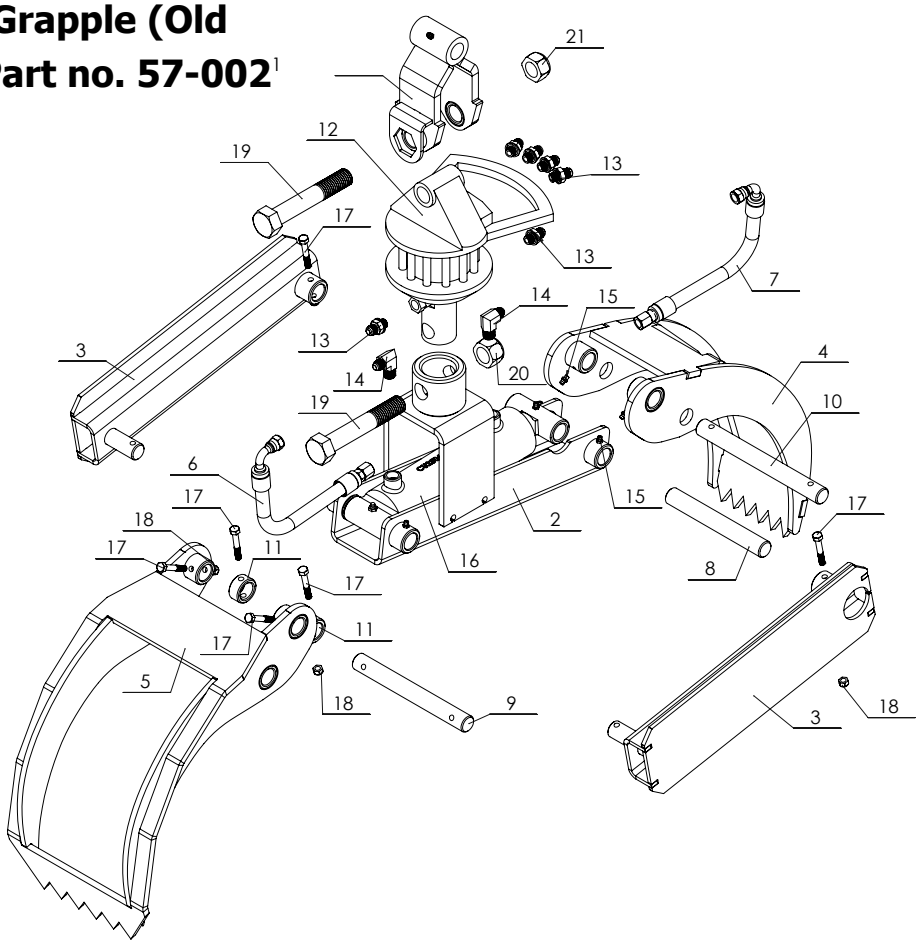

| 8 Sections Valve Q30 Part List | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 130035 | Bras pour joystick Q30 GA avec gros pommeaux | 2 |
| 2 | 130317 | GA Lever Adapter A15-A35 Q30-25-45 | 2 |
| 3 | 130030 | Big Boots Joystick Q30-Q130 GA | 2 |
| 4 | 130015 | GA Galtech Lever Box | 4 |
| 5 | 130020 | GA Lever Box Small Boots | 1 |
| 6 | 130300 | GA Joystick Plate NEW MODEL | 2 |
| 7 | 130040 | GA Short arm Q30 160MM for individual section | 3 |
| 8 | 130050 | GA Long arm Q 30 210MM for individual section | 1 |
| 9 | 130131,130132 | GA plate A35-34R LEFT new version | 1 |
| 10 | 130290, 130291 | SPOOL/TIROIR double action open center cylinder threaded on both ends Q25/Q30 | 5 |
| 11 | 130310 | GA PIN FOR NIB WITH BALL JOINT ASSEMBLED FOR NEW MODEL | 2 |
| 12 | 130100 | GA Head RF6 | 4 |
| 13 | 130080 | GA Pin for sliding Old and New Model | 4 |
| 14 | 130060 | GA Nylon Nuts M8 for Q30/A15 | 6 |
| 15 | 130000 | GA Snap ring/washer spacer GA 06019 28497 99 | 4 |
| 16 | 130001 | GA drawer seals A-25-30 OR 70 113 | 4 |

# 36" Log Grapple (New model)
# Part no. 57-020



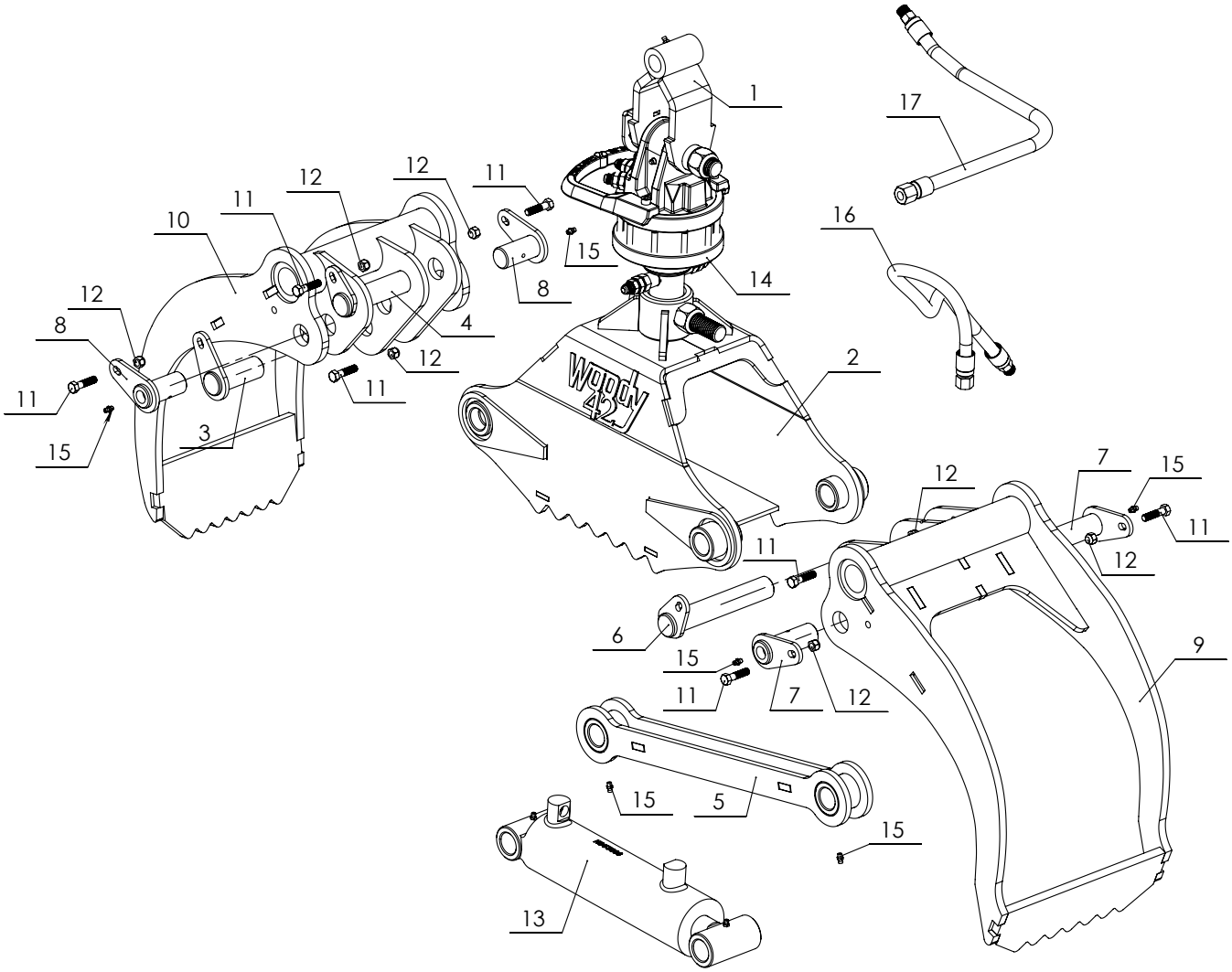

| PARTS LIST- 36" LOG GRAPPLE ASSEMBLY, PART NO. 57-020 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 310020 | Grease fitting 1/4"-28 | 6 |
| 2 | 57-000-04 | Grapple yoke | 1 |
| 3 | 57-020-01 | Grapple head | 1 |
| 4 | 57-020-03 | Cylinder arm | 1 |
| 5 | 57-020-04 | Pin | 2 |
| 6 | 57-020-05 | Pin | 2 |
| 7 | 57-020-14 | Narrow jaw | 1 |
| 8 | 57-020-15 | Wide jaw | 1 |
| 9 | 300730 | Bolt 5/16"-18 x 2" long | 3 |
| 10 | 300520 | Bolt 3/8"-16 x 1 1/2" long | 4 |
| 11 | 301560 | Nylon nut 5/16"-18 | 3 |
| 12 | 301550 | Nylon nut 3/8"-16 | 4 |
| 13 | 100900 | Hydraulic fitting, Series 5405 - 90° Elbow - Male JIC 37° - Male NPT - 9/16" x 3/8" | 2 |
| 14 | 57-020-017 | Pin | 1 |
| 15 | 57-020-026 | Pin | 1 |
| 16 | 57-020-027 | Pin | 1 |
| 17 | 120270 | Hydraulic cylinder 2 1/2" dia. x 6" stroke | 1 |
| 18 | 199309 | Rotator assembly CR300 | 1 |
| 19 | 140030-022-102200-101820 | Assembly hose 3/8" - 22" Lenght | 1 |
| 20 | 140030-018-101820-102200 | Assembly hose 3/8" - 18" Lenght | 1 |

## 36" Log Grapple (Old model) Part no. 57-002[1]




| Part list - Grapple 36" Part No. 57-002 | | | |
|---|---|---|---|
| **No.** | **Part #** | **Description** | **Qty** |
| 1 | 57-000-04 | Support Clamp | 1 |
| 2 | 57-002-01 | Forceps center | 1 |
| 3 | 57-002-07 | 36" Grapple Center Side Plate | 2 |
| 4 | 57-002-02 | Smallest jaw | 1 |
| 5 | 57-002-03 | Biggest jaw | 1 |
| 6 | 140030-008.5-100700-101820 | Assemblay Hydraulic hose 3/8" | 1 |
| 7 | 140030-009.25-100700-101820 | Assemblay Hydraulic hose 3/8" | 1 |
| 8 | 86-16-120 | Pin, 1" O.D x 9 5/16 lg. | 1 |
| 9 | 86-16-140-E14-00-E126-00 | Pin, 1" O.D x 9 5/16 lg. | 1 |
| 10 | 86-16-154-E14-00-E138-00 | Pin, 1" O.D x 9 5/16 lg. | 1 |
| 11 | 96-24-16-12-E06-00 | Socket 1 1/2" O.D. x .242" (1.016" I.D.) | 2 |
| 12 | 199309 | Orbital hydraulic motor GR30 | 1 |
| 13 | 103000 | Fitting Male BSP-Male BSP - 3/8" X 1/4" | 6 |
| 14 | 100900 | Elbow 90° - Male JIC 37° - Male NPT - 9/16" x 3/8" | 2 |
| 15 | 310020 | Greasing 1/4"-28 | 8 |
| 16 | 120272 | Hydraulic Cylinder 2 1/2" Dia. x 6" Stroke | 1 |
| 17 | 300730 | Bolt 5/16"-18 x 2" Lenght x 7/8" Thread | 6 |
| 18 | 301560 | Lock Nut 5/16"-18 | 6 |
| 19 | 300320 | Bolt 1"-8 x 6" Lenght x 2 1/4" Thread | 2 |
| 20 | 301500 | Lock Nut 1"-8 | 1 |
| 21 | 301610 | Lock Nut 24mm - 3mm | 1 |

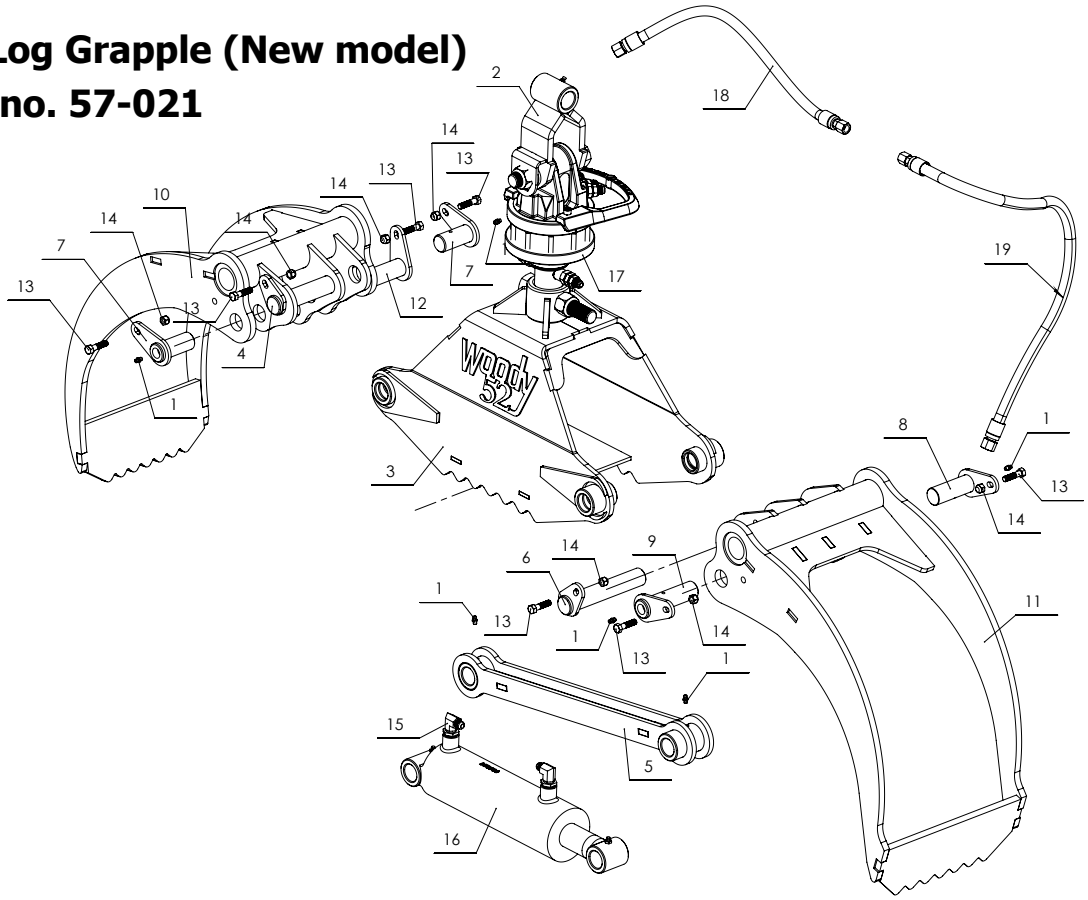
# 42" Log Grapple
# Part no. 57-017




See parts table on page 25

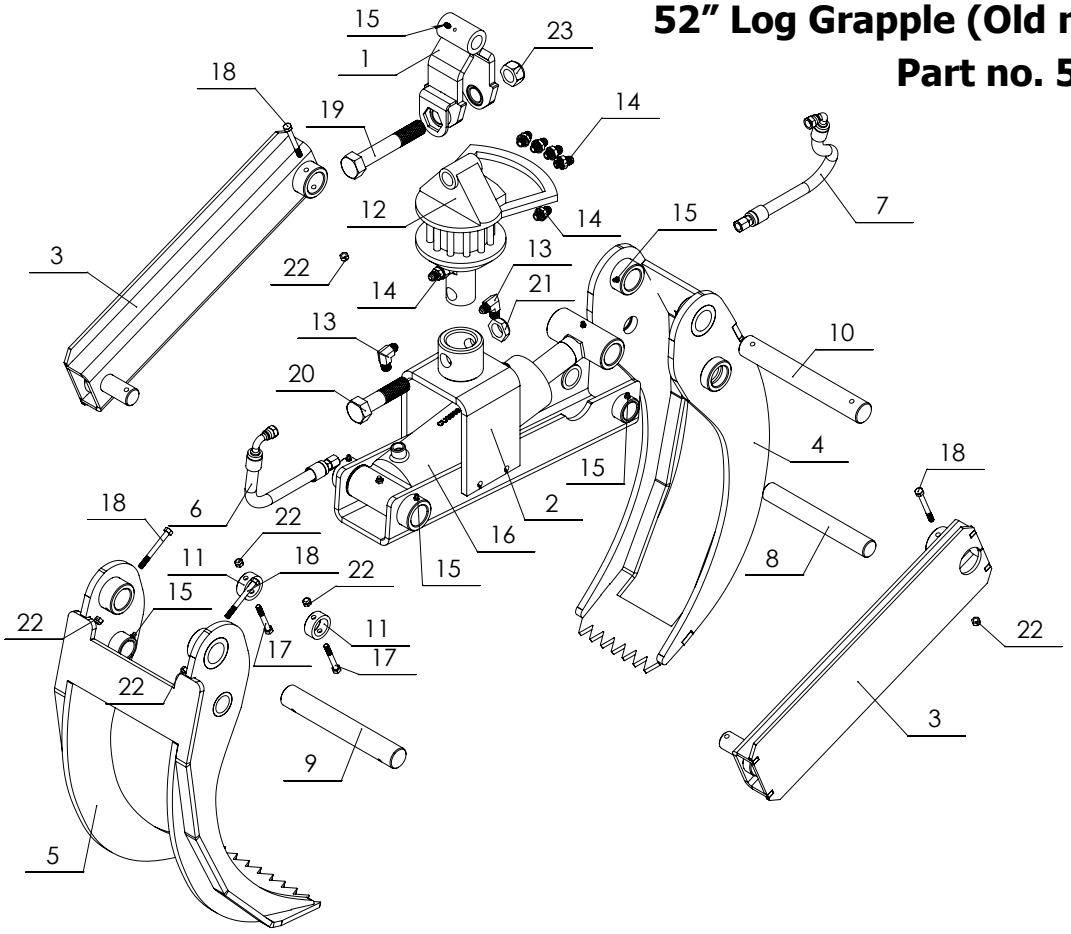
| PARTS LIST - 42" LOG GRAPPLE ASSEMBLY, PART NO. 57-017 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 57-017-01 | Grapple head | 1 |
| 3 | 57-017-03 | Pin | 1 |
| 4 | 57-017-04 | Pin | 1 |
| 5 | 57-017-05 | Cylinder arm | 1 |
| 6 | 57-017-06 | Pin | 1 |
| 7 | 57-017-07 | Pin | 2 |
| 8 | 57-017-09 | Pin | 2 |
| 9 | 57-017-12 | Wide jaw | 1 |
| 10 | 57-017-13 | Narrow jaw | 1 |
| 11 | 300520 | Bolt 3/8"-16 x 1 1/2" long | 7 |
| 12 | 301550 | Nylon nut 3/8"-16 | 7 |
| 13 | 120443 | Hydraulic cylinder 3" dia. x 8" stroke | 1 |
| 14 | 199309 | Rotator assembly CR30 | 1 |
| 15 | 310020 | Straight grease fitting 1/4"-28 | 6 |
| 16 | 140030-020-102200-101750 | Assembly hose 3/8" - 20" Lenght | 1 |
| 17 | 140030-024-101750-102200 | Assembly hose 3/8" - 24" Lenght | 1 |

# 52" Log Grapple (New model)
# Part no. 57-021



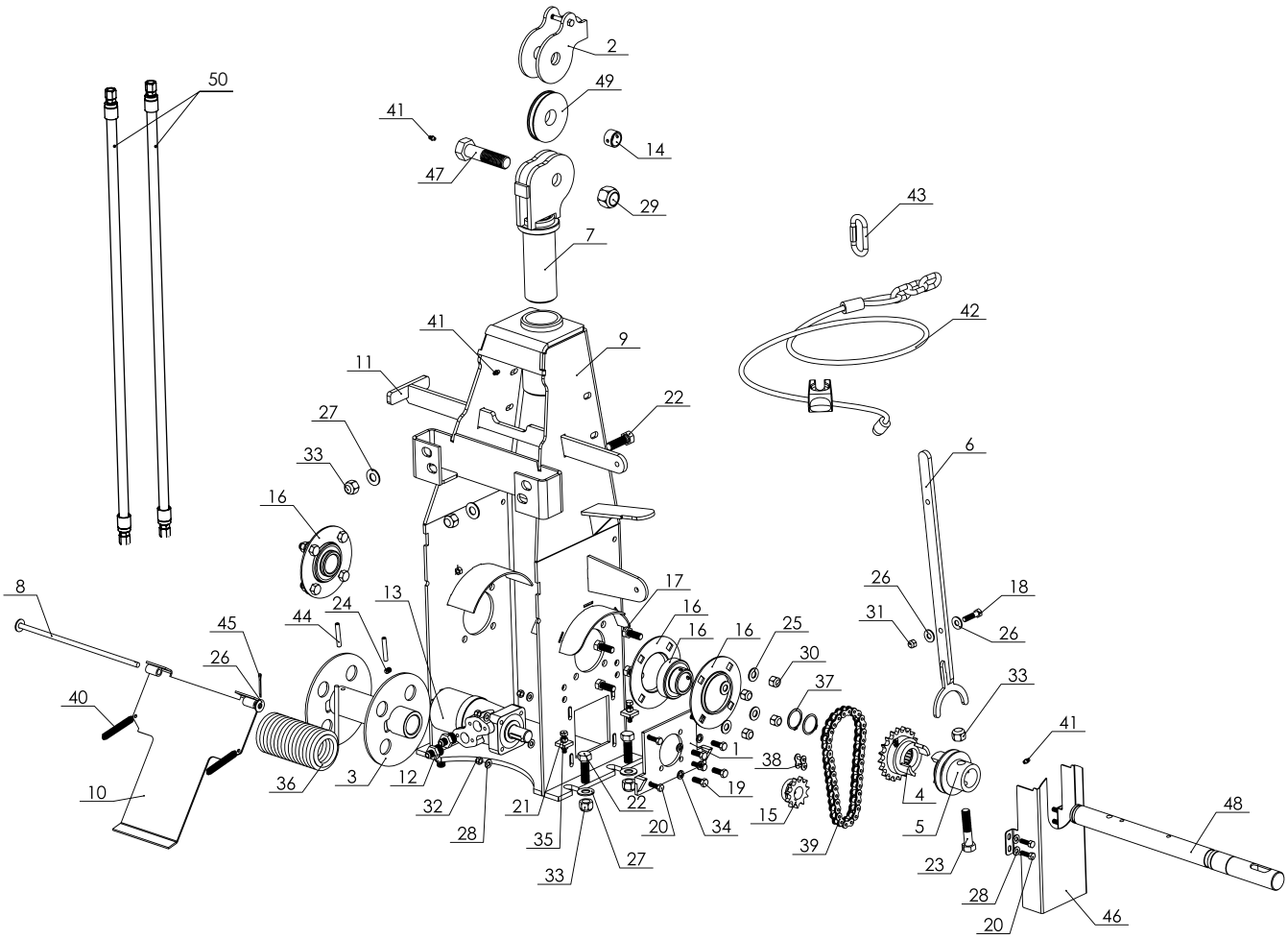

| PARTS LIST - 52" LOG GRAPPLE ASSEMBLY, PART NO. 57-021 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 310020 | Grease fitting 1/4"-28 | 6 |
| 2 | 57-000-04 | Grapple yoke | 1 |
| 3 | 57-021-01 | Grapple head | 1 |
| 4 | 57-021-04 | Pin | 1 |
| 5 | 57-021-05 | Cylinder arm | 1 |
| 6 | 57-021-06 | Pin | 1 |
| 7 | 57-021-09 | Pin | 2 |
| 8 | 57-021-10 | Pin | 1 |
| 9 | 57-021-11 | Pin | 1 |
| 10 | 57-021-12 | Narrow jaw | 1 |
| 11 | 57-021-13 | Wide jaw | 1 |
| 12 | 57-021-14 | Pin | 1 |
| 13 | 300520 | Bolt 3/8"-16 x 1 1/2" long | 7 |
| 14 | 301550 | Nylon nut 3/8"-16 | 7 |
| 15 | 101100 | Hydraulic fitting 90° Elbow - Male JIC - Adjustable Male ORB - 9/16" x 3/4" | 2 |
| 16 | 120600 | Hydraulic cylinder 3 1/2" dia. x 8" stroke | 1 |
| 17 | 199309 | Rotator assembly CR30 | 1 |
| 18 | 140030-022-101820-102200 | Assembly hose 3/8" - 22" Lenght | 1 |
| 19 | 140030-027-101820-102200 | Assembly hose 3/8" - 27" Lenght | 1 |

# 52" Log Grapple (Old model)
# Part no. 57-004




| PARTS LIST - 52" LOG GRAPPLE ASSEMBLY, PART NO. 57-004 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-000-04 | Grapple yoke | 1 |
| 2 | 57-004-01 | Support clamp | 1 |
| 3 | 57-004-04 | Side lever | 2 |
| 4 | 57-004-12 | Smallest jaw | 1 |
| 5 | 57-004-13 | Biggest jaw | 1 |
| 6 | 140030-009.25-100700-101820 | Assembly hydraulic hose 3/8" | 1 |
| 7 | 140030-010.25-100700-101820 | Assembly hydraulic hose 3/8" | 1 |
| 8 | 86-20-152 | Pin 1 1/4" O.D. | 1 |
| 9 | 86-24-166-E18-00-E148-00 | Pin 1 1/2" O.D. | 1 |
| 10 | 86-24-177-E14-00-E163-00 | Pin 1 1/2" O.D. | 1 |
| 11 | 96-28-20-12-E06-00 | Socket 1 3/4" O.D. x .242" (1.266" I.D.) | 2 |
| 12 | 199309 | Rotor GR30 | 1 |
| 13 | 100900 | Elbow 90° - Male JIC 37° - Male NPT - 9/16" x 3/8" | 2 |
| 14 | 103010 | Fitting Male BSP 3/8-Male BSP - 3/8" | 6 |
| 15 | 310020 | Greasing 1/4"-28 | 9 |
| 16 | 120602 | Hydraulic cylinder 3 1/2" dia. x 8" stroke | 1 |
| 17 | 300740 | Bolt 5/16"-18 x 2 1/2" Long x 7/8" Thread | 2 |
| 18 | 300750 | Bolt 5/16"-18 x 3" Long x 7/8" Thread | 4 |
| 19 | 300320 | Bolt 1"-8 x 6" Lenght x 2 1/4" Thread | 1 |
| 20 | 300300 | Bolt 1"-8 x 4" Long x 2 1/4" Thread | 1 |
| 21 | 301501 | Lock Nut 1"-8 | 1 |
| 22 | 301560 | Lock Nut 5/16"-18 | 6 |
| 23 | 301610 | Lock Nut 24mm - 3mm | 1 |

# 6000 lbs Hydraulic Winch assembly
# Part no. 58-007

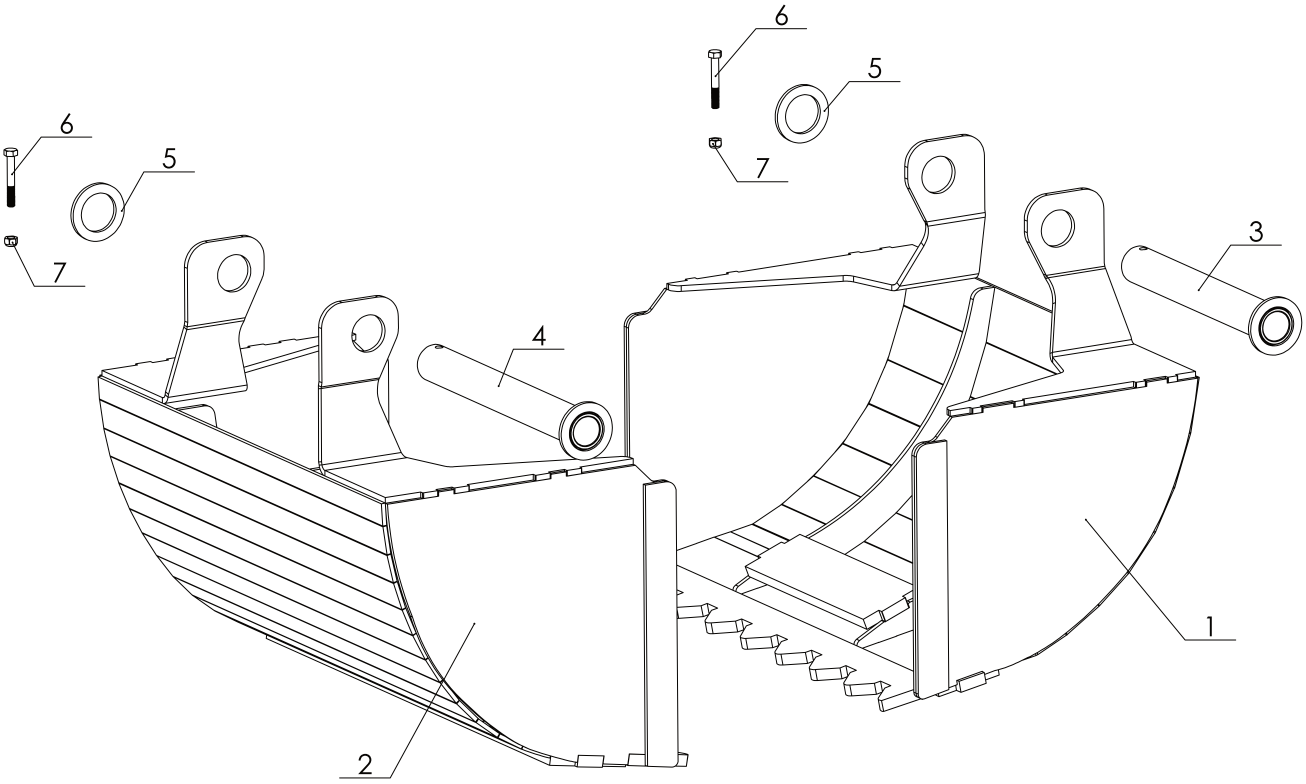



| PARTS LIST - 6000 LB HYDRAULIC WINCH ASSEMBLY, PART NO. 58-007 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 58-000-01 | Motor assembly support | 1 |
| 2 | 58-000-04 | Swivel wire guide | 1 |
| 3 | 58-000-05 | Wire drum | 1 |
| 4 | 58-000-06 | Jaw and sprocket assembly | 1 |
| 5 | 58-000-07 | Jaw clutch | 1 |
| 6 | 58-000-08 | Fork clutch | 1 |
| 7 | 58-007-02 | Swivel wire guide | 1 |
| 8 | 58-007-03 | Wire pin tensioner | 1 |
| 9 | 58-007-04 | Winch casing | 1 |
| 10 | 58-007-05 | Wire tensioner | 1 |
| 11 | 58-013-08 | Winch release handle | 1 |

See the rest of the table on the next page

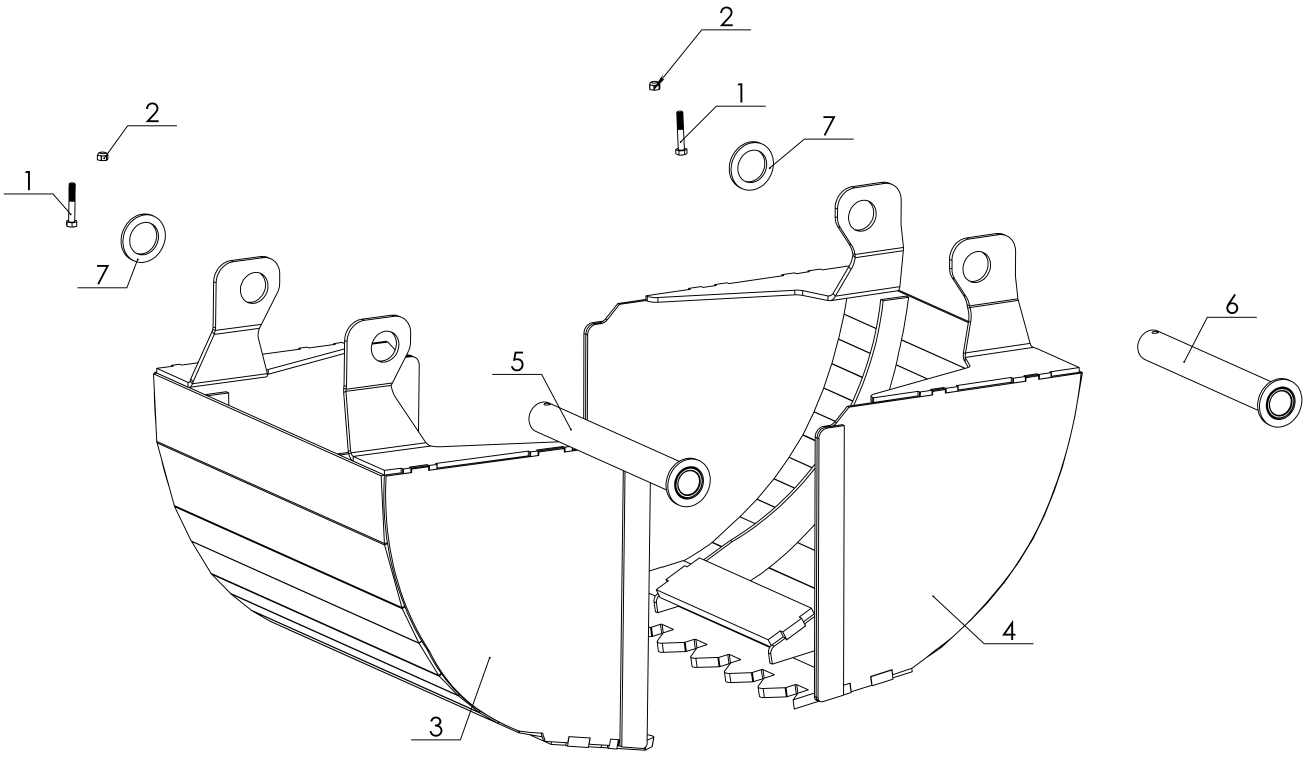
| PARTS LIST - 6000 LB HYDRAULIC WINCH ASSEMBLY, PART NO. 58-007 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 12 | 102710 | Hydraulic fitting 3/8" - JIC Male x 7/8" - ORB Male | 2 |
| 13 | 108070 | Hydraulic motor 315cc | 1 |
| 14 | 111000 | Bushing 1 x .75 | 1 |
| 15 | 150010 | Sprocket | 1 |
| 16 | 150151 | Flange bearing | 2 |
| 17 | 300020 | Bolt 1/2"-13 x 1 1/4" long | 8 |
| 18 | 300520 | Bolt 3/8"-16 x 1 1/2" long | 1 |
| 19 | 300560 | Bolt 3/8"-16 x 3/4" long | 4 |
| 20 | 300700 | Bolt 5/16"-18 x 1" long | 8 |
| 21 | 300710 | Bolt 5/16"-18 x 1 1/2" long | 2 |
| 22 | 300820 | Bolt 5/8"-11 x 2" long | 6 |
| 23 | 300840 | Bolt 5/8"-11 x 3" long | 1 |
| 24 | 301220 | Socket head cap screw 3/8" dia. x 1/2" long | 1 |
| 25 | 301310 | Flat washer 1/2" | 8 |
| 26 | 301350 | Flat washer 3/8" | 3 |
| 27 | 301360 | Flat washer 5/8" | 6 |
| 28 | 301390 | Flat washer 5/16" | 8 |
| 29 | 301500 | Nylon nut 1"-8 | 1 |
| 30 | 301510 | Nylon nut 1/2"-13 | 8 |
| 31 | 301550 | Nylon nut 3/8"-16 | 1 |
| 32 | 301560 | Nylon nut 5/16"-18 | 4 |
| 33 | 301570 | Nylon nut 5/8"-11 | 7 |
| 34 | 301730 | Lock nut 3/8" | 4 |
| 35 | 301850 | Hex nut 5/16"-18 | 4 |
| 36 | 304010 | Cable 5/16" x 110' long | 1 |
| 37 | 307036 | Snap-ring 1 1/2" | 2 |
| 38 | 308910 | Chain link | 1 |
| 39 | 309080 | Chain assembly | 1 |
| 40 | 309200 | Extension spring | 2 |
| 41 | 310020 | Grease fitting 1/4"-28 | 3 |
| 42 | 310720 | Log choker | 1 |
| 43 | 310725 | Quick link | 1 |
| 44 | 310880 | Spring pin 5/16" O.D. x 2" | 2 |
| 45 | 310881 | Cotter pin 1/8 x 1- 1/4 | 1 |
| 46 | 58-007-018 | Winch guard | 1 |
| 47 | 58-000-006 | Bolt | 1 |
| 48 | 58-000-020 | Shaft | 1 |
| 49 | 58-000-024 | Cable pulley | 1 |
| 50 | 140030-055-101820-101820 | Assembly hose hydraulique 3/8" - 55" Lenght | 2 |

# 24" Dipper Dredger for 36" Grapple
# Part no. 57-025



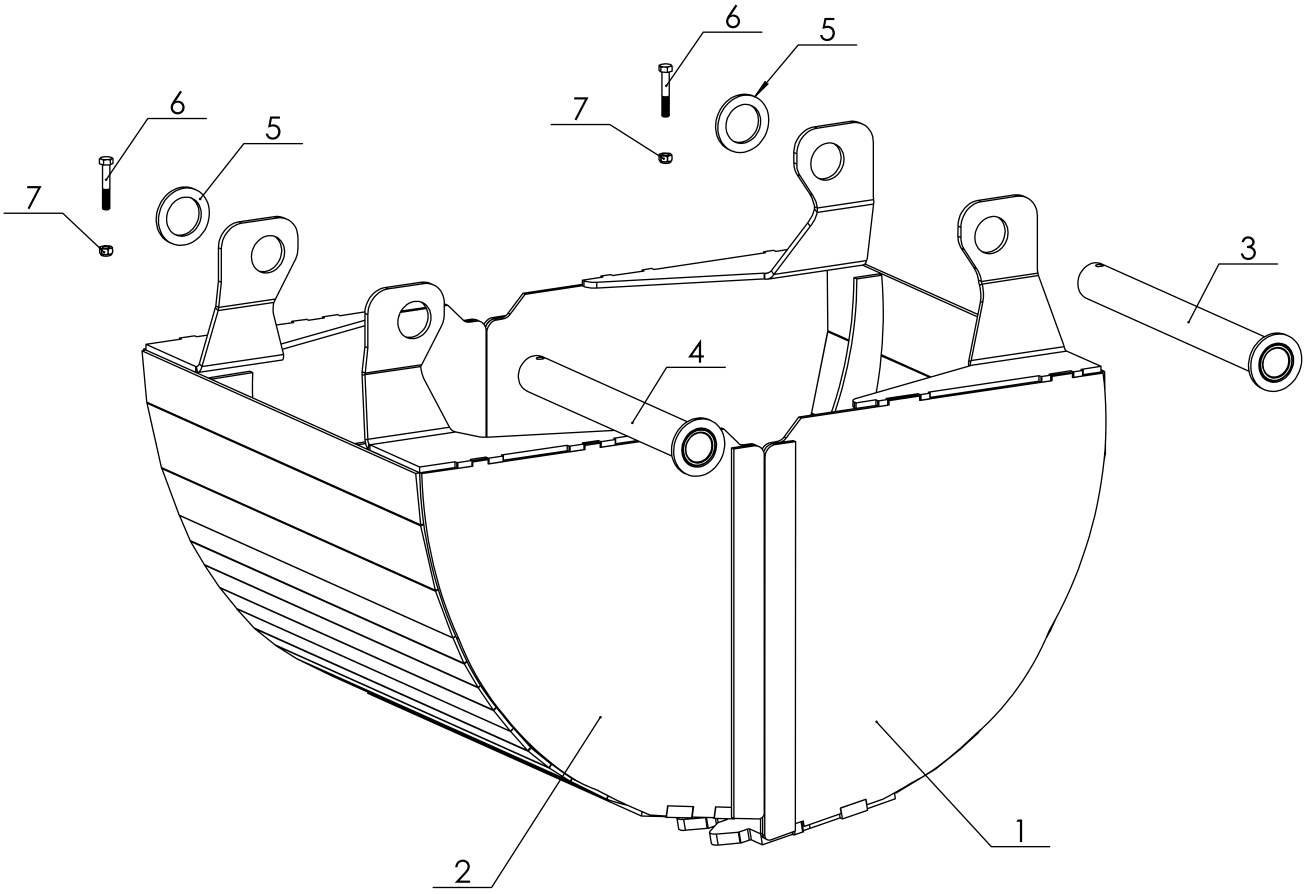

| PARTS LIST - 24" DIPPER DREDGER ASSEMBLY FOR 36" GRAPPLE, PART NO.57-025 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-025-01 | 24" Dipper dredger bucket for 36" grapple, narrow jaw | 1 |
| 2 | 57-025-02 | 24" Dipper dredger bucket for 36" grapple, wide jaw | 1 |
| 3 | 57-025-03 | Lock, narrow jaw | 1 |
| 4 | 57-025-04 | Lock, wide jaw | 1 |
| 5 | 57-025-022 | Washer | 2 |
| 6 | 301560 | Nylon nut 5/16"-18 | 2 |
| 7 | 300730 | Bolt 5/16"-18 x 2" long | 2 |

# 24" Dipper Dredger for 42" Grapple
# Part no. 57-030



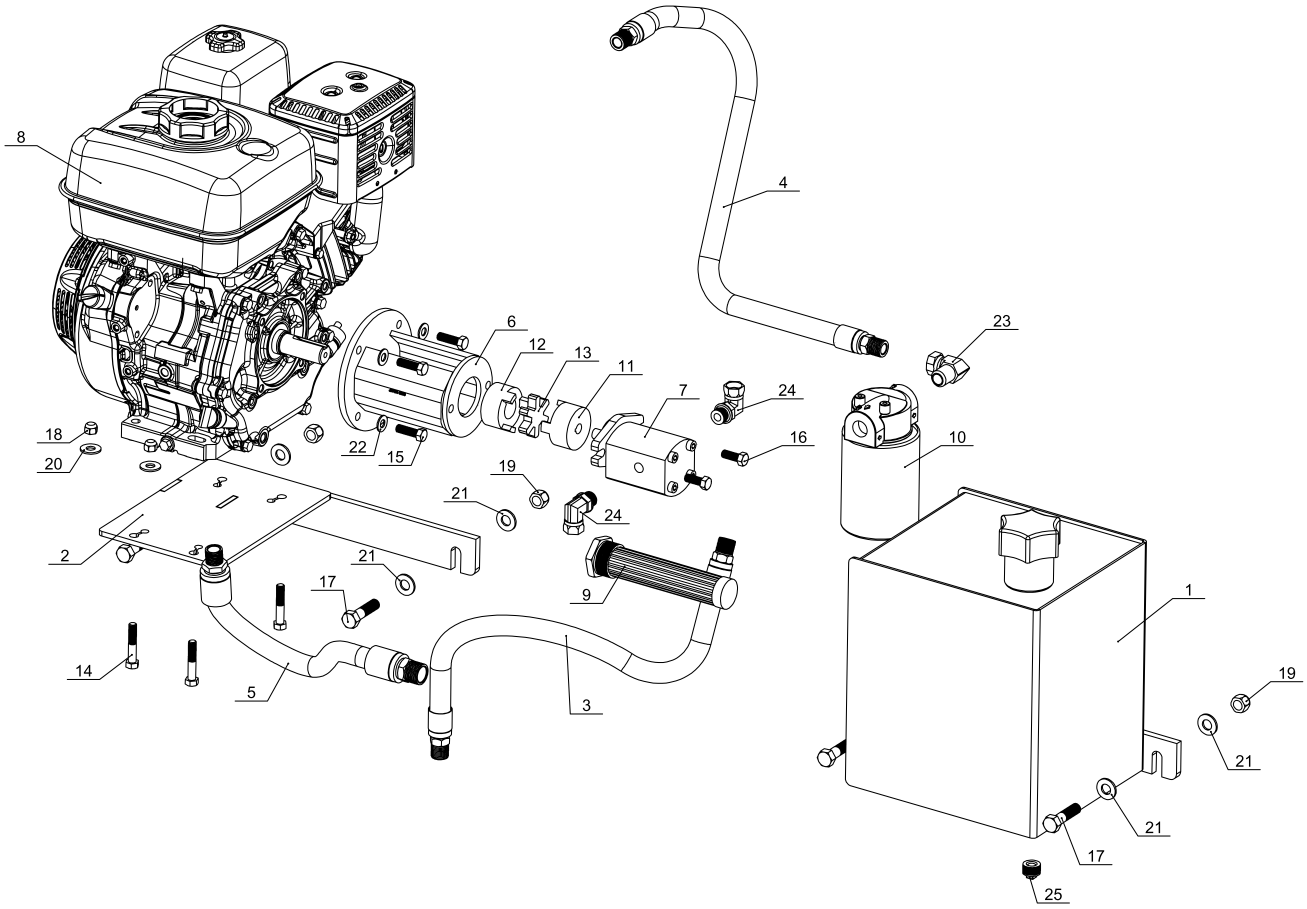

| PARTS LIST - 24" DIPPER DREDGER ASSEMBLY FOR 42" GRAPPLE, PART NO. 57-030 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 300730 | Bolt 5/16"-18 x 2" long | 2 |
| 2 | 301560 | Nylon nut 5/16"-18 | 2 |
| 3 | 57-030-01 | 24" Dipper dredger bucket for 42" grapple, wide jaw | 1 |
| 4 | 57-030-02 | 24" Dipper dredger bucket for 42" grapple, narrow jaw | 1 |
| 5 | 57-030-03 | Lock, wide jaw | 1 |
| 6 | 57-030-04 | Lock, narrow jaw | 1 |
| 7 | 57-025-022 | Washer | 2 |

# 24" Dipper Dredger for 52" Grapple
# Part no. 57-031




| PARTS LIST - 24" DIPPER DREDGER ASSEMBLY FOR 52" GRAPPLE, PART NO. 57-031 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 57-031-01 | 24" Dipper dredger bucket for 52" grapple, narrow jaw | 1 |
| 2 | 57-031-02 | 24" Dipper dredger bucket for 52" grapple, wide jaw | 1 |
| 3 | 57-031-03 | Lock, wide jaw | 1 |
| 4 | 57-031-04 | Lock, narrow jaw | 1 |
| 5 | 57-025-022 | Washer | 2 |
| 6 | 300730 | Bolt 5/16"-18 x 2" long | 2 |
| 7 | 301560 | Nylon nut 5/16"-18 | 2 |

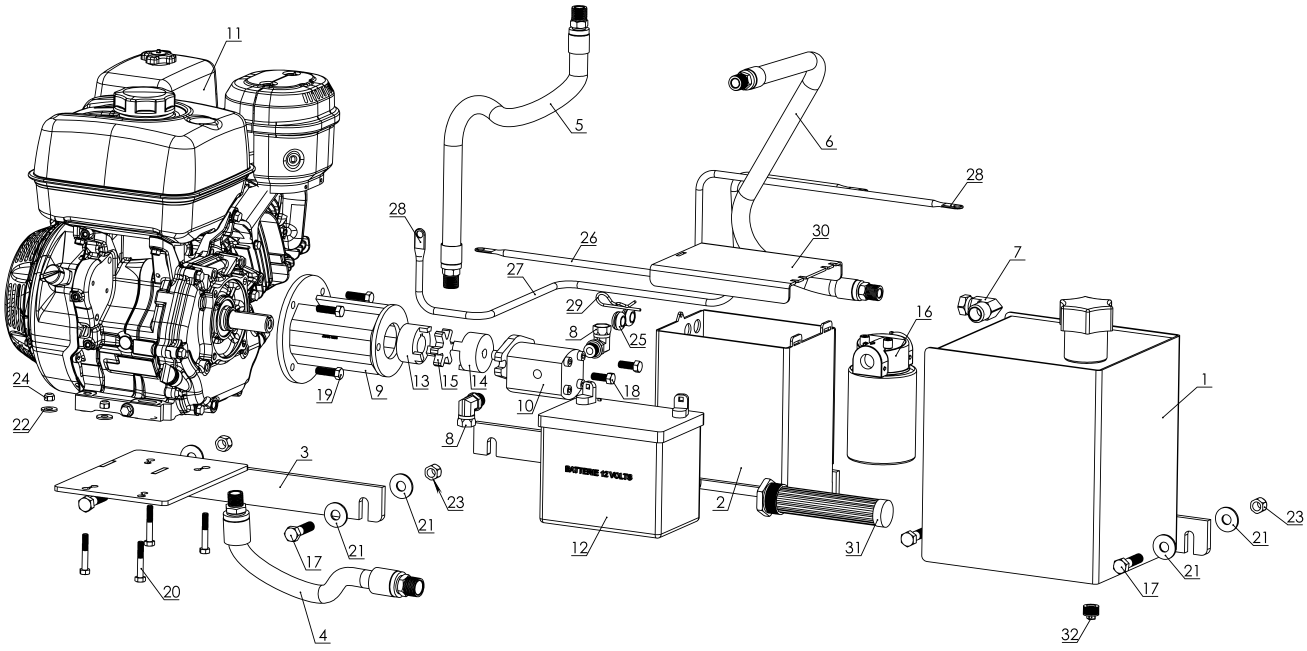
# 9 HP Power Unit assembly
# Part no. 53-006




See parts table on page 34

| PARTS LIST - 9 HP POWER UNIT ASSEMBLY, PART NO. 53-006 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 53-003-01 | 5 gallon Reservoir | 1 |
| 2 | 53-003-03 | Motor support plate | 1 |
| 3 | 140040-020-101700-101700 | Hydraulic hose assembly 1/2" x 21" | 1 |
| 4 | 140040-030-101700-10700 | Hydraulic hose assembly 1/2" x 30" | 1 |
| 5 | 140080-018-101730-101731 | Hydraulic hose assembly 3/4 suction 17.5" NPT male 1/2, NPT male 3/4 | 1 |
| 6 | 106010 | Bell housing | 1 |
| 7 | 108230 | 1SPA 5.0 Galtech pump | 1 |
| 8 | 108020 | GX 270 9HP Honda motor | 1 |
| 9 | 190020 | Strainer | 1 |
| 10 | 190060 | Oil filter | 1 |
| 11 | 140320 | Jaw coupling - 1/2" | 1 |
| 12 | 140300 | Jaw coupling - 1" | 1 |
| 13 | 140360 | Shock absorber seal | 1 |
| 14 | 300530 | Bolt 3/8"-16 x 2" long | 4 |
| 15 | 300505 | Bolt 3/8"-16 x 1 1/4" long | 4 |
| 16 | 300500 | Bolt 3/8"-16 x 1" long | 2 |
| 17 | 300030 | Bolt 1/2"-13 x 2" long | 4 |
| 18 | 301550 | Nylon nut 3/8"-16 | 4 |
| 19 | 301510 | Nylon nut 1/2"-13 | 4 |
| 20 | 301350 | Flat washer 3/8" | 4 |
| 21 | 301310 | Flat washer 1/2" | 8 |
| 22 | 301350 | Flat washer 3/8" | 4 |
| 23 | 101300 | Hydraulic fitting 90° Elbow NPSM Female SWI x NPT Male - 1/2" x 1/2" | 1 |
| 24 | 101420 | Hydraulic fitting 90° Elbow - Male ORB Adjustable 1/2" - Female NPSM Swivel 3/8" | 2 |
| 25 | 102820 | Plug 1/2 NPT | 1 |

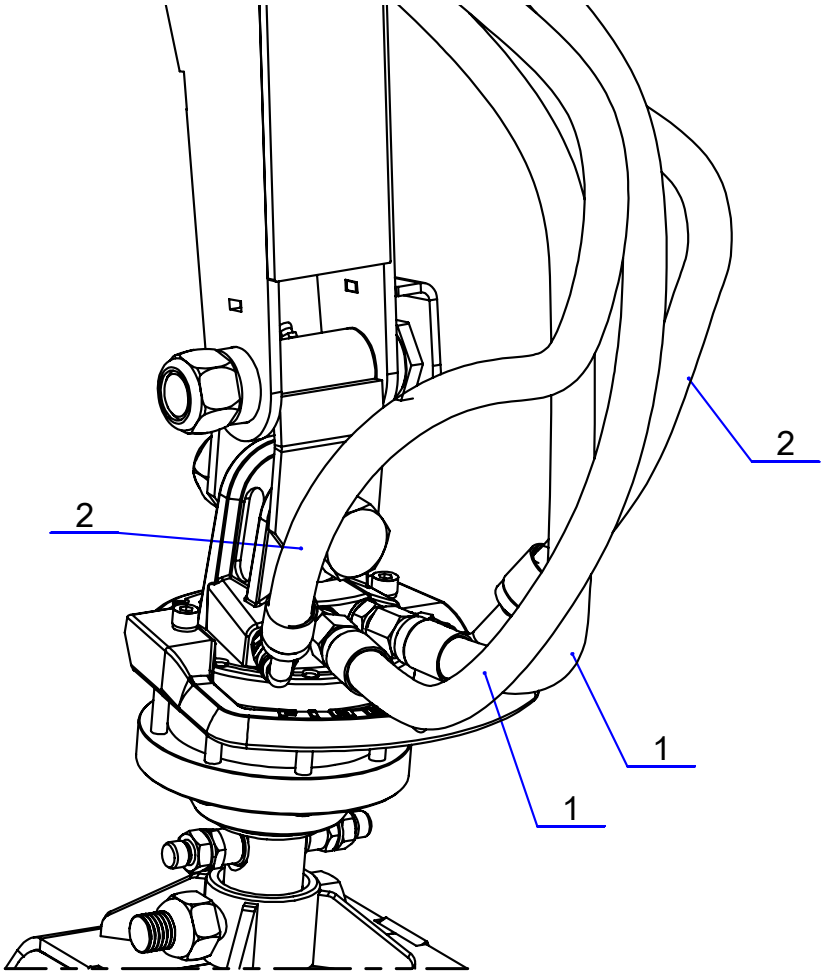
# 13 HP Power Unit assembly
# Part no. 53-003




See parts table on page 36

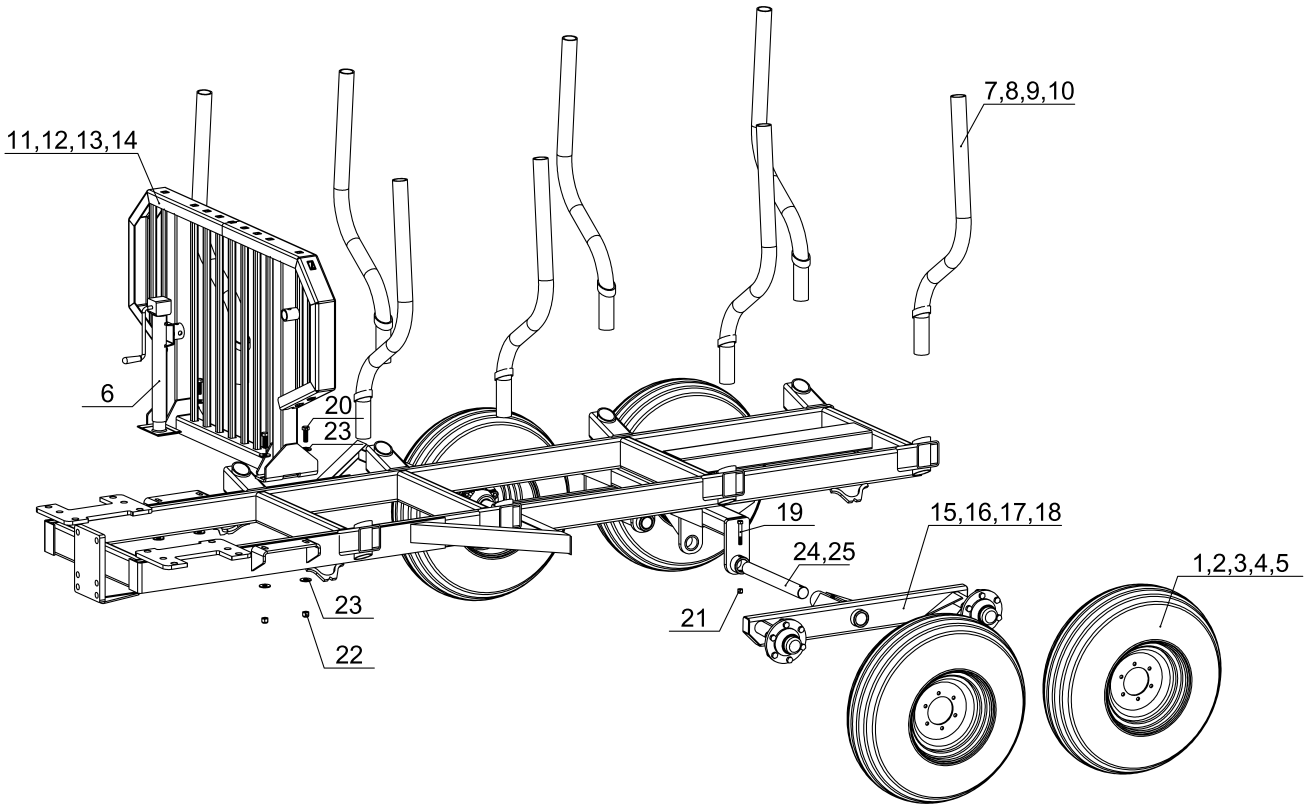
| PARTS LIST - 13 HP POWER UNIT ASSEMBLY, PART NO. 53-003 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 53-003-01 | 5 gallon Reservoir | 1 |
| 2 | 53-003-02 | Battery housing | 1 |
| 3 | 53-003-03 | Motor support plate | 1 |
| 4 | 140080-018-101730-101731 | Hydraulic hose assembly 3/4" suction 17.5" | 1 |
| 5 | 140040-020-101700-101700 | Hydraulic hose assembly 1/2" x 21" | 1 |
| 6 | 140040-030-101700-101700 | Hydraulic hose assembly 1/2" x 30" | 1 |
| 7 | 101310 | Hydraulic fitting 90° Elbow NPSM Female SWI x NPT Male - 1/2" x 3/4" | 1 |
| 8 | 101420 | Hydraulic fitting 90° Elbow - Male Adjustable ORB 1/2" - Female NPSM Swivel 3/8" | 2 |
| 9 | 106010 | Bell housing | 1 |
| 10 | 108240 | 1SPA 6.3 Pump | 1 |
| 11 | 108040 | GX 390 13 HP Honda motor | 1 |
| 12 | 108320 | 12-Volt Battery | 1 |
| 13 | 140300 | Jaw coupling - 1" | 1 |
| 14 | 140320 | Jaw coupling - 1/2" | 1 |
| 15 | 140360 | Shock absorber seal | 1 |
| 16 | 190060 | Oil filter | 1 |
| 17 | 300030 | Bolt 1/2"-13 x 2" long | 4 |
| 18 | 300500 | Bolt 3/8"-16 x 1" long | 2 |
| 19 | 300505 | Bolt 3/8"-16 x 1 1/4" long | 4 |
| 20 | 300730 | Bolt 5/16"-18 x 2" long | 4 |
| 21 | 301310 | Flat washer 1/2" | 8 |
| 22 | 301390 | Flat washer 5/16" | 4 |
| 23 | 301510 | Nylon nut 1/2"-13 | 4 |
| 24 | 301560 | Nylon nut 5/16"-18 | 4 |
| 25 | 307081 | Rubber washer | 2 |
| 26 | 310802 | 4 gauge electrical wire, black | 1 |
| 27 | 310803 | 4 gauge electrical wire, red | 1 |
| 28 | 310804 | Copper wire adapter 5/16 hole | 4 |
| 29 | 310831 | Cotter pin 1/8" x 2 1/4" | 1 |
| 30 | 53-001-035 | Battery housing cover | 1 |
| 31 | 190020 | Strainer | 1 |
| 32 | 102820 | Plug 1/2 NPT | 1 |

# Hydraulic Hoses Assembly




| PARTS LIST - HYDRAULIC HOSES | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 140030-020-102200-102300 | Hydraulic hose assembly 3/8" x 20" - M20813-06-06 - M10510-06-06 | 2 |
| 2 | 140030-020-100300-102300 | Hydraulic hose assembly 3/8" x 20" - M20843-06-06 - M10510-06-06 | 2 |

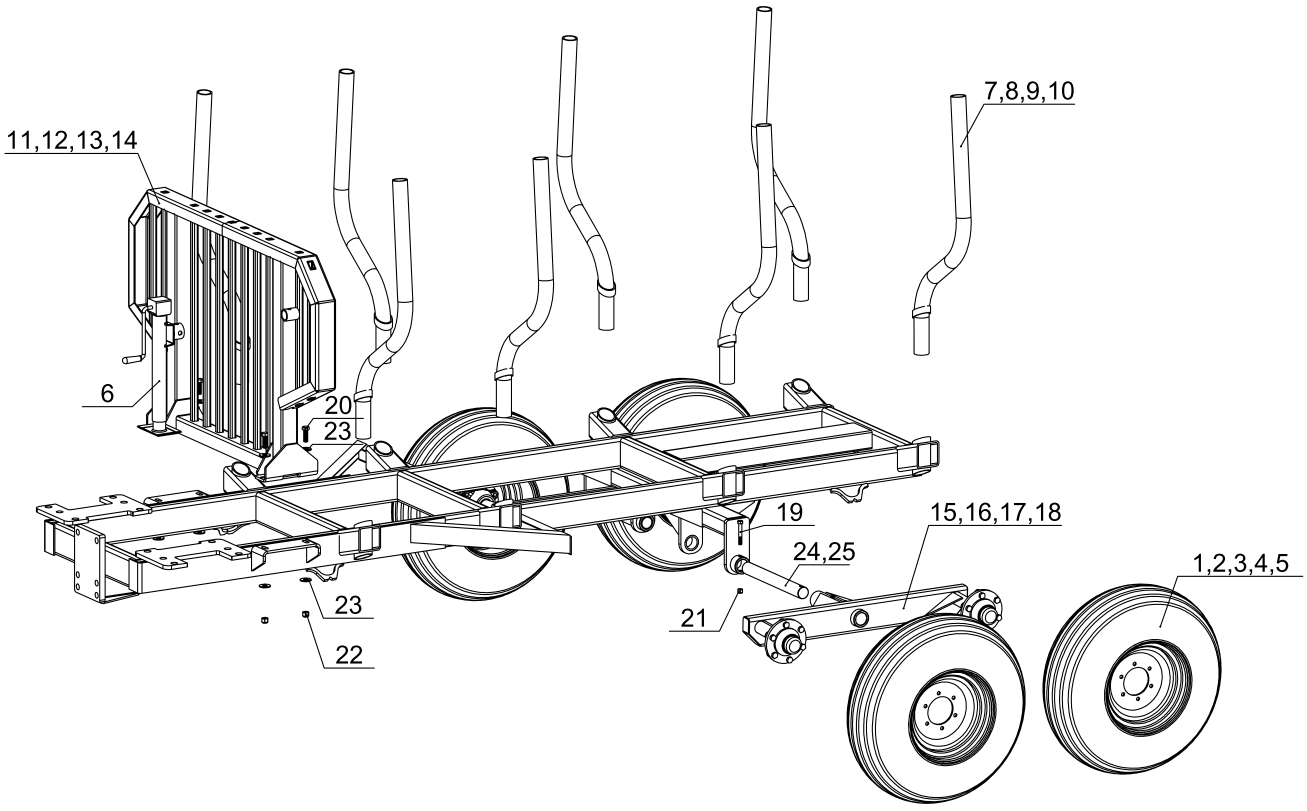
# Forestry Trailer assembly
# Part no. 30-030, 30-031, 30-035, 30-036, 30-040, 30-041




See parts table on page 39

| PARTS LIST- FORESTRY TRAILER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | 10-66 HV P/N: 30-030 QTY | 10-66 HV P/N: 30-031 QTY | 10-66 LP HV P/N: 30-035 QTY | 10-66 LP HV P/N: 30-036 QTY | 10-78 HV P/N: 30-040 QTY | 10-78 HV P/N: 30-041 QTY |
| 1 | 302010 | Agricultural tire 11L-15, 8 ply, 6 nuts | 4 | - | 4 | - | - | - |
| 2 | 302020 | Agricultural tire 12.5L 15, 10 ply, 6 nuts | - | 4 | - | 4 | 4 | - |
| 3 | 302030 | Agricultural tire 12.5L 15, 12 ply, 8 nuts | - | - | - | - | - | - |
| 4 | 302060 | Tire 385-65-22.5, 20 ply, 8 nuts | - | - | - | - | - | - |
| 5 | 302070 | Tire 400-60-15.5, 18 ply, 8 nuts | - | - | - | - | - | 4 |
| 6 | 303020 | Trailer wind jack, 6000 lbss | 1 | 1 | - | - | 1 | 1 |
| 7 | 30-030-02 | Post | 8 | 8 | - | - | - | - |
| 8 | 30-035-04 | Post | - | - | 8 | 8 | - | - |
| 9 | 30-040-02 | Post | - | - | - | - | 8 | 8 |
| 10 | 59-000-07 | Post | - | - | - | - | - | - |
| 11 | 30-030-03 | Trailer grill 60 1/8" wide x 37 15/16" high | 1 | 1 | - | - | - | - |
| 12 | 30-035-03 | Trailer grill 59 7/8" wide x 26 15/16" high | - | - | 1 | 1 | - | - |
| 13 | 30-040-03 | Trailer grill 66 3/8" wide x 37 15/16" high | - | - | - | - | 1 | 1 |
| 14 | 30-050-03 | Trailer grill 76 3/8" wide x 39 15/16" high | - | - | - | - | - | - |
| 15 | 59-024-03 | Tandem axle | - | - | - | - | 2 | - |
| 16 | 59-026-03 | Tandem axle | 2 | 2 | 2 | 2 | - | - |
| 17 | 59-081-02 | Tandem axle | - | - | - | - | - | - |
| 18 | 59-082-07 | Tandem axle | - | - | - | - | - | 2 |
| 19 | 300060 | Bolt 1/2"-13 x 3 1/2" long | 2 | 2 | 2 | 2 | 2 | 2 |
| 20 | 300820 | Bolt 5/8"-11 x 2" long | 4 | 4 | 4 | 4 | 4 | 4 |
| 21 | 301510 | Nylon nut 1/2"-13 | 2 | 2 | 2 | 2 | 2 | 2 |
| 22 | 301570 | Nylon nut 5/8"-11 | 4 | 4 | 4 | 4 | 4 | 4 |
| 23 | 301360 | Flat washer 5/8" | 8 | 8 | 8 | 8 | 8 | 8 |
| 24 | 201050 | Shaft 1 15/16" O.D. | 2 | 2 | 2 | 2 | 2 | 2 |

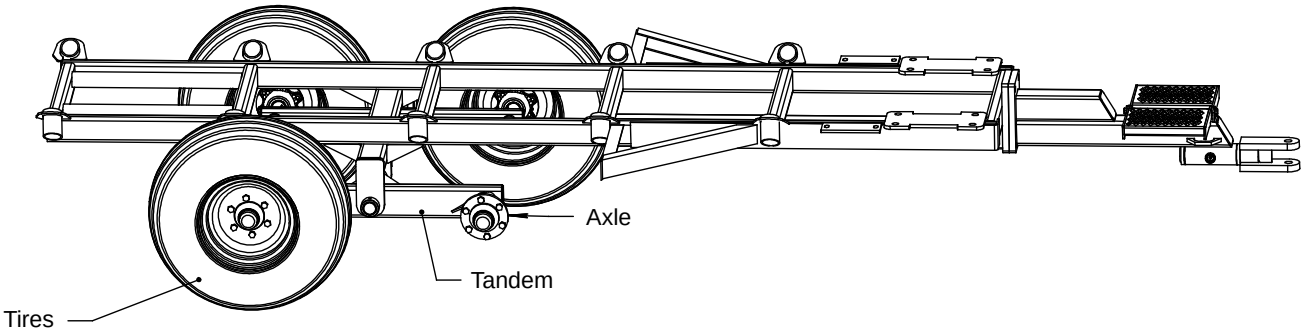
# Forestry Trailer assembly
# Part no. 30-050, 30-051, 30-052, 30-060, 30-061




See parts table on page 41

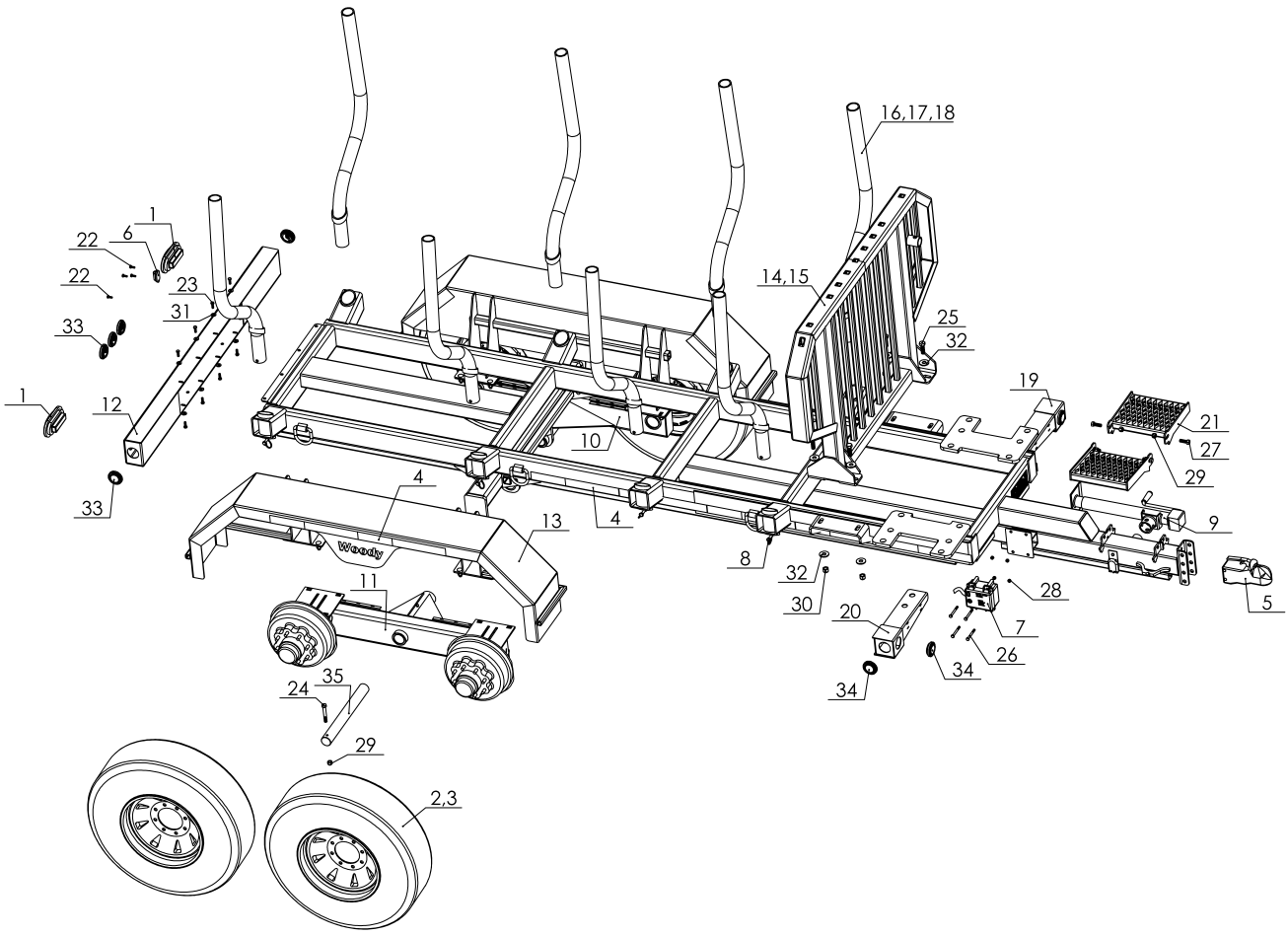
| PARTS LIST - FORESTRY TRAILER | | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | 12-86 HV P/N: 30-050 QTY | 12-86 HV P/N: 30-051 QTY | 12-86 HV P/N: 30-052 QTY | 16-86 HV P/N: 30-060 QTY | 16-86 HV P/N: 30-061 QTY |
| 1 | 302010 | Agricultural tire 11L-15, 8 ply, 6 nuts | - | - | - | - | - |
| 2 | 302020 | Agricultural tire 12.5L 15, 10 ply, 6 nuts | - | - | - | - | - |
| 3 | 302030 | Agricultural tire 12.5L 15, 12 ply, 8 nuts | 4 | - | - | - | - |
| 4 | 302060 | Tire 385-65-22.5, 20 ply, 8 nuts | - | - | 4 | 4 | - |
| 5 | 302070 | Tire 400-60-15.5, 18 ply, 8 nuts | - | 4 | - | - | 4 |
| 6 | 303020 | Trailer wind jack, 6000 lbss | 1 | 1 | 1 | 1 | 1 |
| 7 | 30-030-02 | Post | - | - | - | - | - |
| 8 | 30-035-04 | Post | - | - | - | - | - |
| 9 | 30-040-02 | Post | - | - | - | - | - |
| 10 | 59-000-07 | Post | 8 | 8 | 8 | 8 | 8 |
| 11 | 30-030-03 | Trailer grill 60 1/8" wide x 37 15/16" high | - | - | - | - | - |
| 12 | 30-035-03 | Trailer grill 59 7/8" wide x 26 15/16" high | - | - | - | - | - |
| 13 | 30-040-03 | Trailer grill 66 3/8" wide x 37 15/16" high | - | - | - | - | - |
| 14 | 30-050-03 | Trailer grill 76 3/8" wide x 39 15/16" high | 1 | 1 | 1 | 1 | 1 |
| 15 | 59-024-03 | Tandem axle | - | - | - | - | - |
| 16 | 59-026-03 | Tandem axle | - | - | - | - | - |
| 17 | 59-081-02 | Tandem axle | - | - | 2 | 2 | - |
| 18 | 59-082-07 | Tandem axle | 2 | 2 | - | - | 2 |
| 19 | 300060 | Bolt 1/2"-13 x 3 1/2" long | 2 | 2 | 2 | 2 | 2 |
| 20 | 300820 | Bolt 5/8"-11 x 2" long | 4 | 4 | 4 | 4 | 4 |
| 21 | 301510 | Nylon nut 1/2"-13 | 2 | 2 | 2 | 2 | 2 |
| 22 | 301570 | Nylon nut 5/8"-11 | 4 | 4 | 4 | 4 | 4 |
| 23 | 301360 | Flat washer 5/8" | 8 | 8 | 8 | 8 | 8 |
| 24 | 201050 | Shaft 1 15/16" O.D. | 2 | 2 | 2 | 2 | 2 |

# Forestry Trailer (Older models)




| PARTS LIST - FORESTRY TRAILERS (OLDER MODELS) | | | | |
|---|---|---|---|---|
| TRAILER MODEL | PART NO. | TANDEM ASSEMBLY | AXLE | TIRES |
| 11-74 | 59-013 | 59-024-03 | 5000 lbss | 12.5L15 |
| 11-74 | 59-150 | 59-081-02 | 8000 lbss | 385-65-22.5 |
| 11-74 | 59-151 | 59-082-07 | 8000 lbss | 400-60-15.5 |
| 13-78 | 59-014 | 59-024-03 | 5000 lbs | 12.5L15 |
| 13-78 | 59-125 | 59-082-07 | 8000 lbs | 12.5L15 |
| 13-78 | 59-161 | 59-082-07 | 8000 lbs | 400-60-15.5 |
| 13-78 | 59-081 | 59-081-02 | 8000 lbs | 16.5L16.1 |
| 13-78 | 59-162 | 59-081-02 | 8000 lbs | 385-65-22.5 |
| 14-80 | 59-015 | 59-082-07 | 8000 lbs | 12.5L15 |
| 14-80 | 59-163 | 59-082-07 | 8000 lbs | 400-60-15.5 |
| 14-80 | 59-079 | 59-081-02 | 8000 lbs | 16.5L6.1 |
| 14-80 | 59-164 | 59-081-02 | 8000 lbs | 385-65-22.5 |

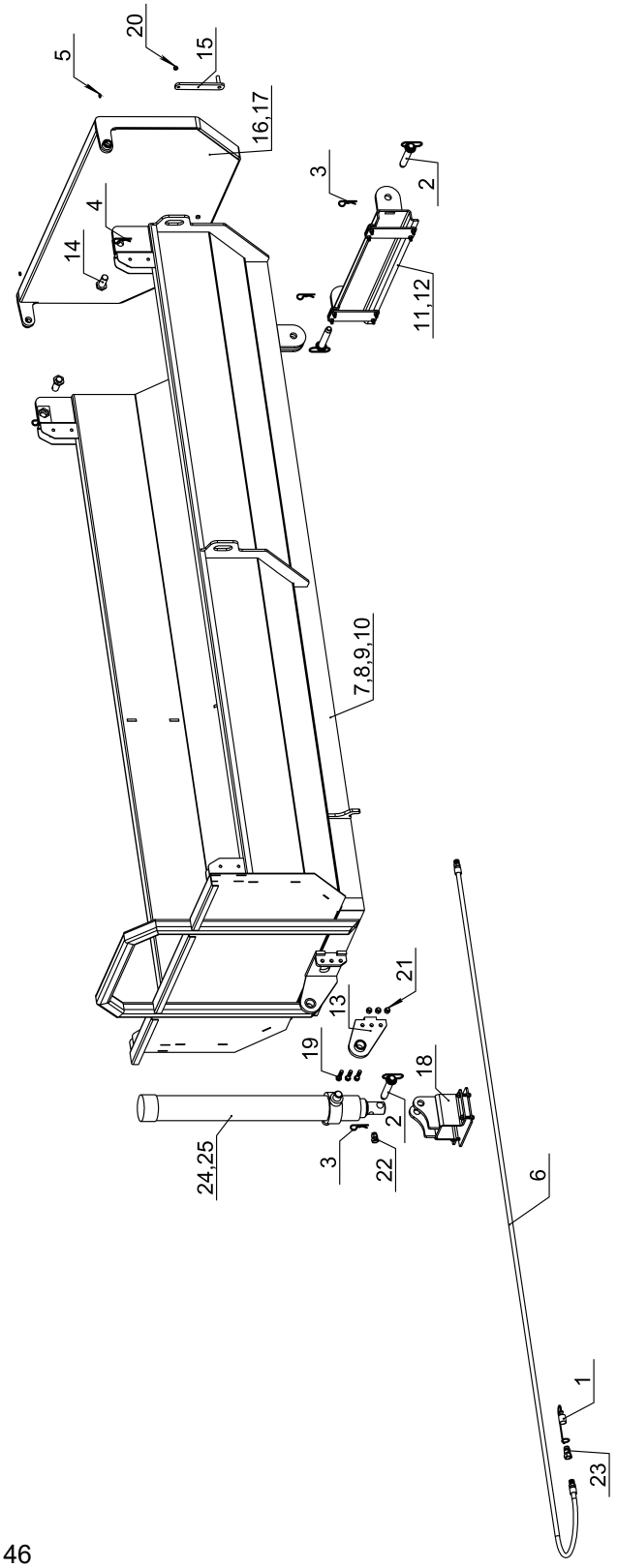
# Road Trailer assembly
# Part no. 32-001, 32-002, 32-003




See parts table on page 44

| PARTS LIST - ROAD TRAILER ASSEMBLY | | | | | |
|---|---|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | Road trailer 10-66 P/N: 32-001 QTY | Road trailer 10-78 P/N: 32-002 QTY | Road trailer 12-78 P/N: 32-003 QTY |
| 1 | 310520 | Directional lights | 2 | 2 | 2 |
| 2 | 302510 | Tire ST235-80-R16 10 Ply | 4 | - | - |
| 3 | 302511 | Tire ST235-80-R16 14 ply | - | 4 | 4 |
| 4 | 400255 | Reflector sticker | 14 | 14 | 14 |
| 5 | 310664 | Trailer hitch 2 5/16 | 1 | 1 | 1 |
| 6 | 310540 | LED license plate light 2 diodes 12V | 1 | 1 | 1 |
| 7 | 305495 | Electric emergency brake system | 1 | 1 | 1 |
| 8 | 306020 | Lock pin 3/8 x 1 1/2 | 8 | 8 | 8 |
| 9 | 303020 | Trailer wind jack, 6000 lbss | 1 | 1 | 1 |
| 10 | 32-003-04 | Tandem axle | 1 | 1 | 1 |
| 11 | 32-003-03 | Tandem axle | 1 | 1 | 1 |
| 12 | 32-001-06 | Rear bumper | 1 | 1 | 1 |
| 13 | 32-000-03 | Trailer fender | 2 | 2 | 2 |
| 14 | 30-030-03 | Trailer grill, 60 1/8" wide x 37 15/16" high | 1 | - | - |
| 15 | 30-040-03 | Trailer grill, 66 3/8" wide x 37 15/16" high | - | 1 | 1 |
| 16 | 30-030-02 | Post | 8 | - | - |
| 17 | 30-040-02 | Post | - | 8 | - |
| 18 | 30-040-02 | Post | - | - | 8 |
| 19 | 32-001-07 | Front light support | 1 | 1 | 1 |
| 20 | 32-001-08 | Front light support | 1 | 1 | 1 |
| 21 | 59-076-36 | Deck span step 9.5 | 2 | 2 | 2 |
| 22 | 300203 | Bolt 1/4"-20 x 3/4" long | 5 | 5 | 5 |
| 23 | 300700 | Bolt 5/16"-18 x 1" long | 8 | 8 | 8 |
| 24 | 300060 | Bolt 1/2"-13 x 3 1/2" long | 2 | 2 | 2 |
| 25 | 300820 | Bolt 5/8"-11 x 2" long | 4 | 4 | 4 |
| 26 | 300750 | Bolt 5/16"-18 x 3" long | 4 | 4 | 4 |
| 27 | 300010 | Bolt 1/2"-13 x 1 1/2" long | 4 | 4 | 4 |
| 28 | 301560 | Nylon nut 5/16"-18 | 4 | 4 | 4 |
| 29 | 301510 | Nylon nut 1/2"-13 | 6 | 6 | 6 |
| 30 | 301570 | Nylon nut 5/8"-11 | 4 | 4 | 4 |
| 31 | 301390 | Flat washer 5/16" | 8 | 8 | 8 |
| 32 | 301360 | Flat washer 5/8" | 8 | 8 | 8 |
| 33 | 310520 | 2" Position lights, red | 5 | 5 | 5 |
| 34 | 310530 | 2" Position lights, yellow | 4 | 4 | 4 |
| 35 | 201050 | Shaft 1 15/16" O.D. | 2 | 2 | 2 |

# Gravel Bin assembly
# Part no. 31-030, 31-040, 31-050, 31-060

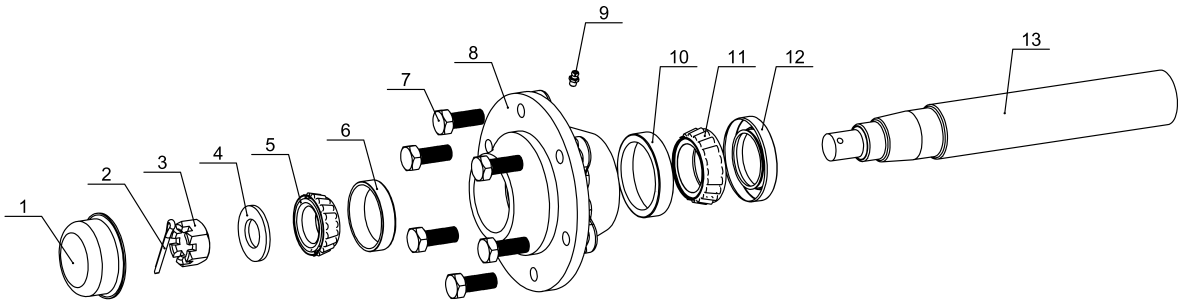



See parts table on page 46

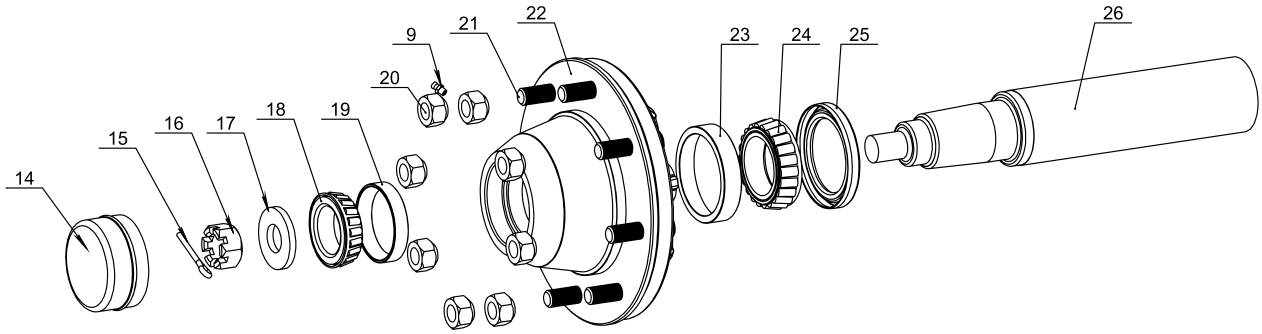
| PARTS LIST - GRAVEL BIN ASSEMBLY | | | | | | |
|---|---|---|---|---|---|---|
| | | | 10' BIN FOR 10-78 HV TRAILER P/N: 31-030 | 10' BIN WITH CYLINDER FOR 10-78 HV TRAILER P/N: 31-040 | 12' BIN FOR 12-86 HV TRAILER P/N: 31-050 | 12' BIN WITH CYLINDER FOR 12-86 HV TRAILER P/N: 31-060 |
| ITEM | PART NO. | DESCRIPTION | QTY | QTY | QTY | QTY |
| 1 | 140000 | Dust caps 1/2", red | - | 1 | - | 1 |
| 2 | 310830 | Quick release pin 1" x 4 3/4" long | 2 | 3 | 2 | 3 |
| 3 | 310833 | Cotter Pin 5/32 x 2 3/4" long | 2 | 3 | 2 | 3 |
| 4 | 310832 | Cotter Pin 3" | 2 | 2 | 2 | 2 |
| 5 | 310020 | Grease fitting 1/4"-28 | 2 | 4 | 2 | 4 |
| 6 | 140030-144-101740-101740 | Hose assembly 3/8" - 144" long | - | 1 | - | 1 |
| 7 | 31-030-01 | Gravel bin for 10-78 HV trailer | 1 | - | - | - |
| 8 | 31-040-01 | Gravel bin with cylinder for 10-78 HV trailer | - | 1 | - | - |
| 9 | 31-050-01 | Gravel bin for 12-86 HV trailer | - | - | 1 | - |
| 10 | 31-060-01 | Gravel bin with cylinder for 12-86 HV trailer | - | - | - | 1 |
| 11 | 31-000-02 | Rear hinge 12-86 HV | - | - | 1 | 1 |
| 12 | 31-000-03 | Rear hinge 10-78 HV | 1 | 1 | - | - |
| 13 | 49-001-03 | Removable cylinder mounting plate | - | 1 | - | 1 |
| 14 | 59-035-08 | Pin | 2 | 2 | 2 | 2 |
| 15 | 59-064-03 | Handle | 1 | 1 | 1 | 1 |
| 16 | 59-064-06 | Rear panel 30" | 1 | 1 | - | - |
| 17 | 59-068-04 | Rear panel 36" | - | - | 1 | 1 |
| 18 | 59-000-38 | Cylinder mount ear assembly | - | 1 | - | 1 |
| 19 | 300030 | Bolt 1/2"-13 x 2" long | - | 3 | - | 3 |
| 20 | 301550 | Nylon nut 3/8"-16 | 1 | 1 | 1 | 1 |
| 21 | 301510 | Nylon nut 1/2"-13 | - | 3 | - | 3 |
| 22 | 103500 | Hydraulic fitting 9315 Male ORB - Female NPT Swivel Plug | - | 1 | - | 1 |
| 23 | 109010 | Quick Coupling Male x Female 1/2"-NPT | - | 1 | - | 1 |
| 24 | 121110 | Telescopic cylinder 90" stroke | - | 1 | - | - |
| 25 | 121120 | Telescopic cylinder, 108" stroke | - | - | - | 1 |

# Wheel Hub and Spindle Kit Part no. 306200, 306300, 306401

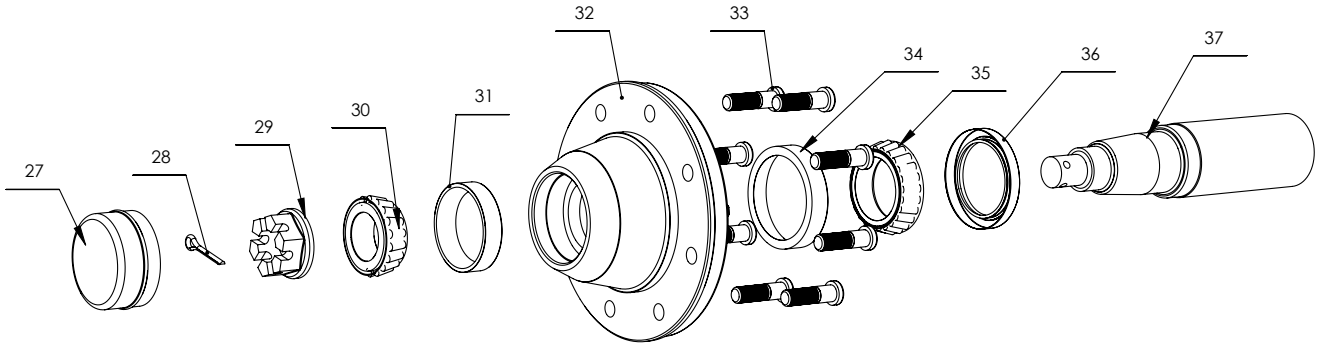
## 5000 LBS




## 8000 LBS



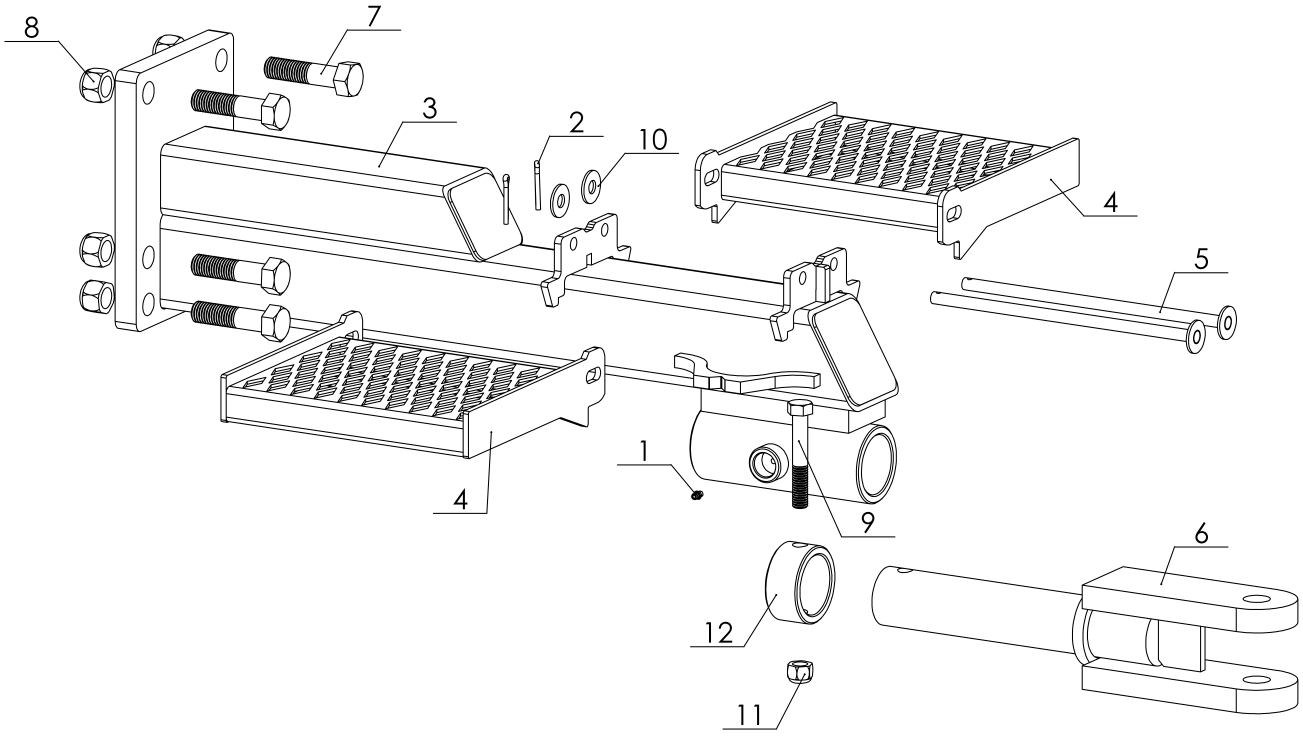

## 10000 LBS




See parts table on page 48

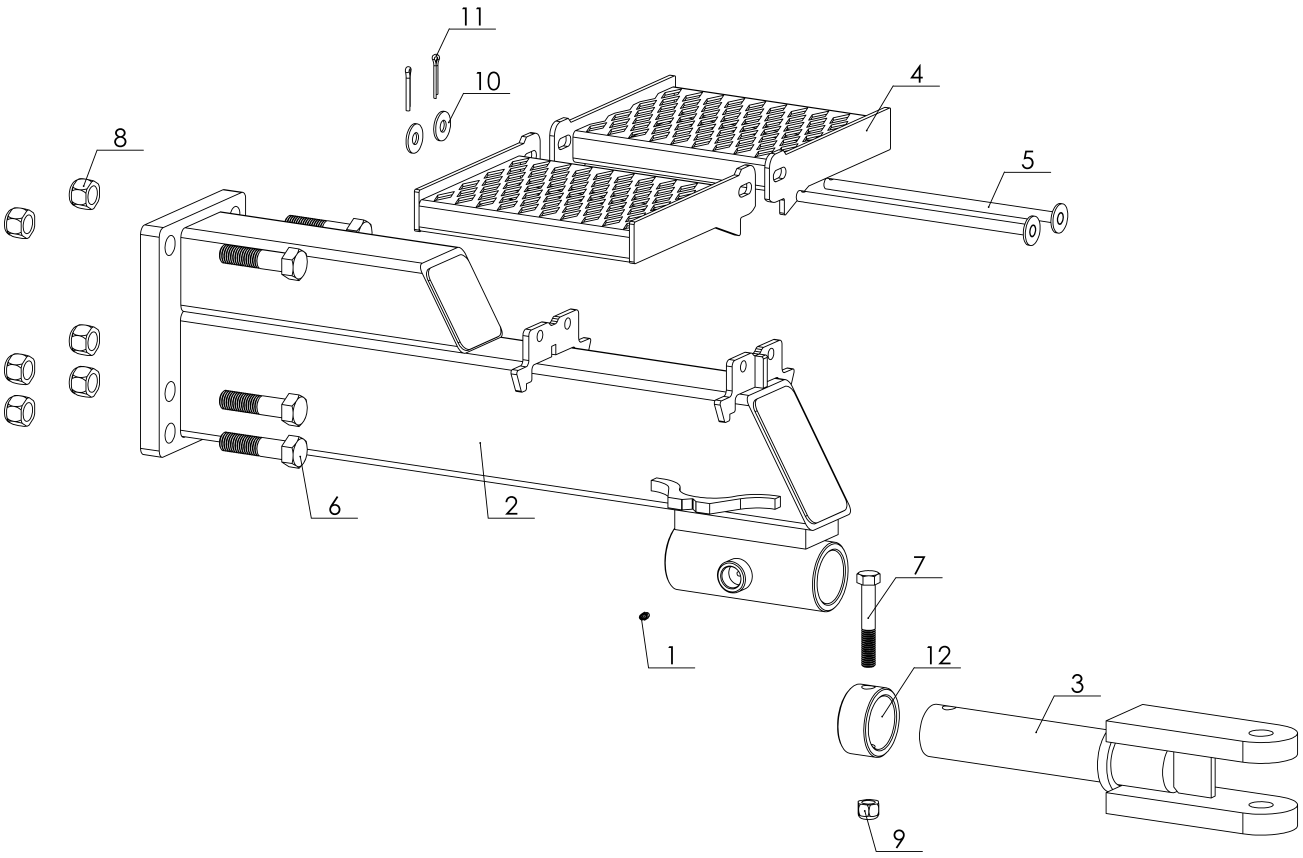
| PARTS LIST - WHEEL HUB AND SPINDLE KIT | | | | | |
|---|---|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | Hub & Spindle 5000 lbss P/N: 306200 | Hub & Spindle 8000 lbss P/N: 306300 | Hub & Spindle 10000 lbss P/N: 306400 |
| 1 | 306208 | Cap | 1 | - | – |
| 2 | 306210 | Cotter pin 3/16 dia. X 1 1/2" lg. | 1 | - | - |
| 3 | 306209 | Castle nut | 1 | - | - |
| 4 | 306214 | Washer | 1 | - | - |
| 5 | 306204 | Exterior bearing, tapered | 1 | - | - |
| 6 | 306206 | Exterior bearing, cone | 1 | - | - |
| 7 | 306211 | Bolt 9/16-18 | 6 | - | - |
| 8 | 306201 | Hub | 1 | - | - |
| 9 | 310020 | Grease fitting 1/4"-28 | 1 | 1 | – |
| 10 | 306205 | Interior bearing, cone | 1 | - | - |
| 11 | 306203 | Interior bearing, tapered | 1 | - | - |
| 12 | 306207 | Seal | 1 | - | - |
| 13 | 306202 | Spindle | 1 | - | - |
| 14 | 306308 | Cap | - | 1 | - |
| 15 | 306310 | Cotter pin | - | 1 | - |
| 16 | 306309 | Castle nut | - | 1 | - |
| 17 | 306314 | Spacer | - | 1 | - |
| 18 | 306303 | Exterior bearing, tapered | - | 1 | - |
| 19 | 306306 | Exterior bearing, cone | - | 1 | - |
| 20 | 306312 | Nut | - | 8 | - |
| 21 | 306311 | Bolt | - | 8 | - |
| 22 | 306301 | Hub | - | 1 | - |
| 23 | 306305 | Interior bearing, cone | - | 1 | - |
| 24 | 306304 | Interior bearing, tapered | - | 1 | - |
| 25 | 306307 | Seal | - | 1 | - |
| 26 | 306302 | Spindle | - | 1 | - |
| 27 | 306308 | Cap | - | - | 8 |
| 28 | 306310 | Cotter pin | - | - | 1 |
| 29 | 306409 | Castle nut | - | - | 1 |
| 30 | 306404 | Exterior bearing, tapered | - | - | 1 |
| 31 | 306406 | Exterior bearing, cone | - | - | 1 |
| 32 | 306401 | Hub | - | - | 1 |
| 33 | 306311 | Bolt | - | - | 1 |
| 34 | 306405 | Interior bearing, cone | - | - | 1 |
| 35 | 306403 | Interior bearing, tapered | - | - | 1 |
| 36 | 307407 | Seal | - | - | 1 |
| 37 | 306413 | Spindle | - | - | 1 |

# Single drawbar assembly
# Part no. 59-076-01



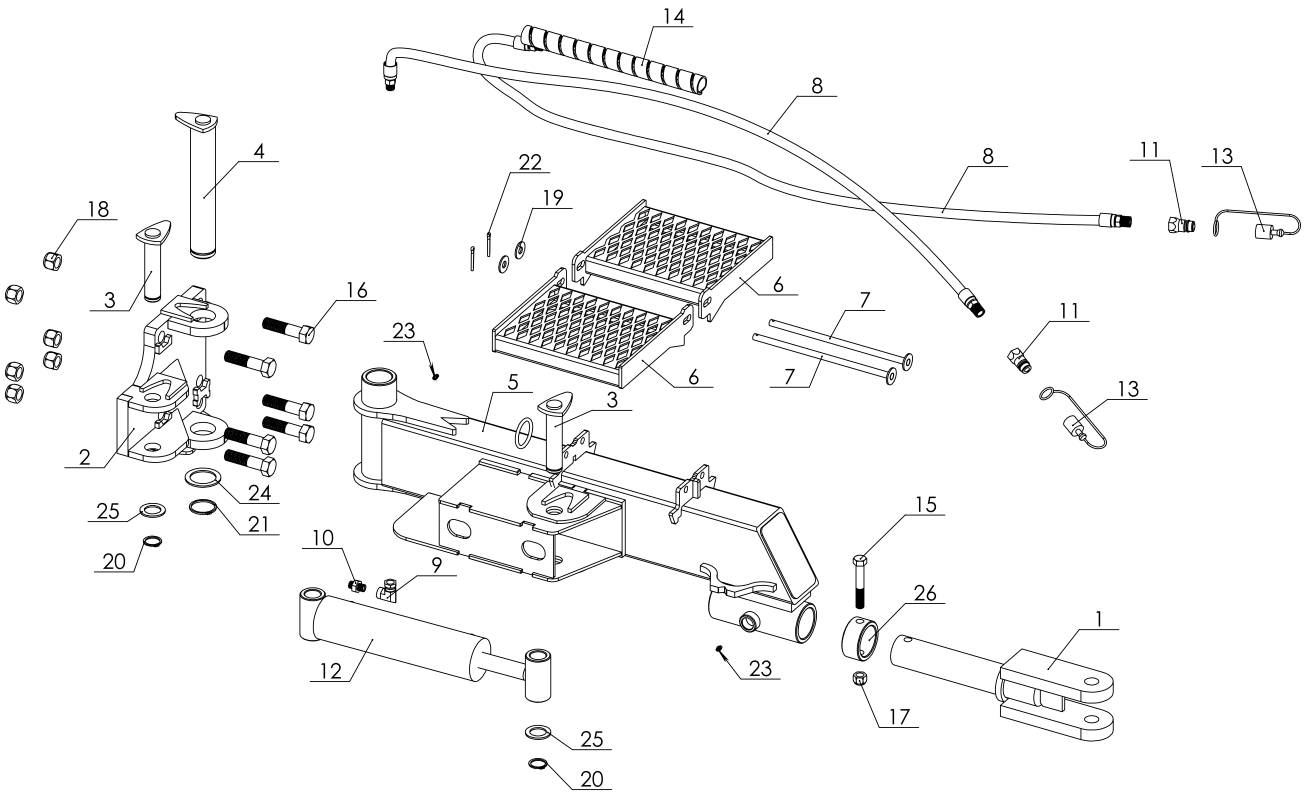

| PARTS LIST - SINGLE DRAWBAR, PART NO. 59-076-01 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 310020 | Straight grease fitting 1/4"-28 | 1 |
| 2 | 310881 | Cotter pin 1/8 x 1- 1/4 | 2 |
| 3 | 59-076-30 | Frame | 1 |
| 4 | 59-076-36 | Foot rest, deck span 9.5 | 2 |
| 5 | 59-076-74 | Pin | 2 |
| 6 | 59-003-08 | Hitch | 1 |
| 7 | 301020 | Bolt 7/8"-9 x 3 1/2" long | 6 |
| 8 | 301590 | Nylon nut 7/8"-9 | 6 |
| 9 | 300860 | Bolt 5/8"-11 x 4" long | 1 |
| 10 | 301310 | Flat washer 1/2" | 2 |
| 11 | 301570 | Nylon nut 5/8"-11 | 1 |
| 12 | 59-114-123 | Sleeve 3 1/4" O.D. x .375" (2.500" I.D.) | 1 |

# Single drawbar assembly
# Part no. 59-076-07




| PARTS LIST - SINGLE DRAWBAR, PART NO. 59-076-07 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 310020 | Straight grease fitting 1/4"-28 | 1 |
| 2 | 59-076-29 | Frame | 1 |
| 3 | 59-003-08 | Hitch | 1 |
| 4 | 59-076-36 | Foot rest, deck span 9.5 | 2 |
| 5 | 59-076-74 | Pin | 2 |
| 6 | 301020 | Bolt 7/8"-9 x 3 1/2" long | 6 |
| 7 | 300860 | Bolt 5/8"-11 x 4" long | 1 |
| 8 | 301590 | Nylon nut 7/8"-9 | 6 |
| 9 | 301570 | Nylon nut 5/8"-11 | 1 |
| 10 | 301310 | Flat washer 1/2" | 2 |
| 11 | 310881 | Cotter pin 1/8 x 1- 1/4 | 2 |
| 12 | 59-114-123 | Sleeve 3 1/4" O.D. x .375" (2.500" I.D.) | 1 |

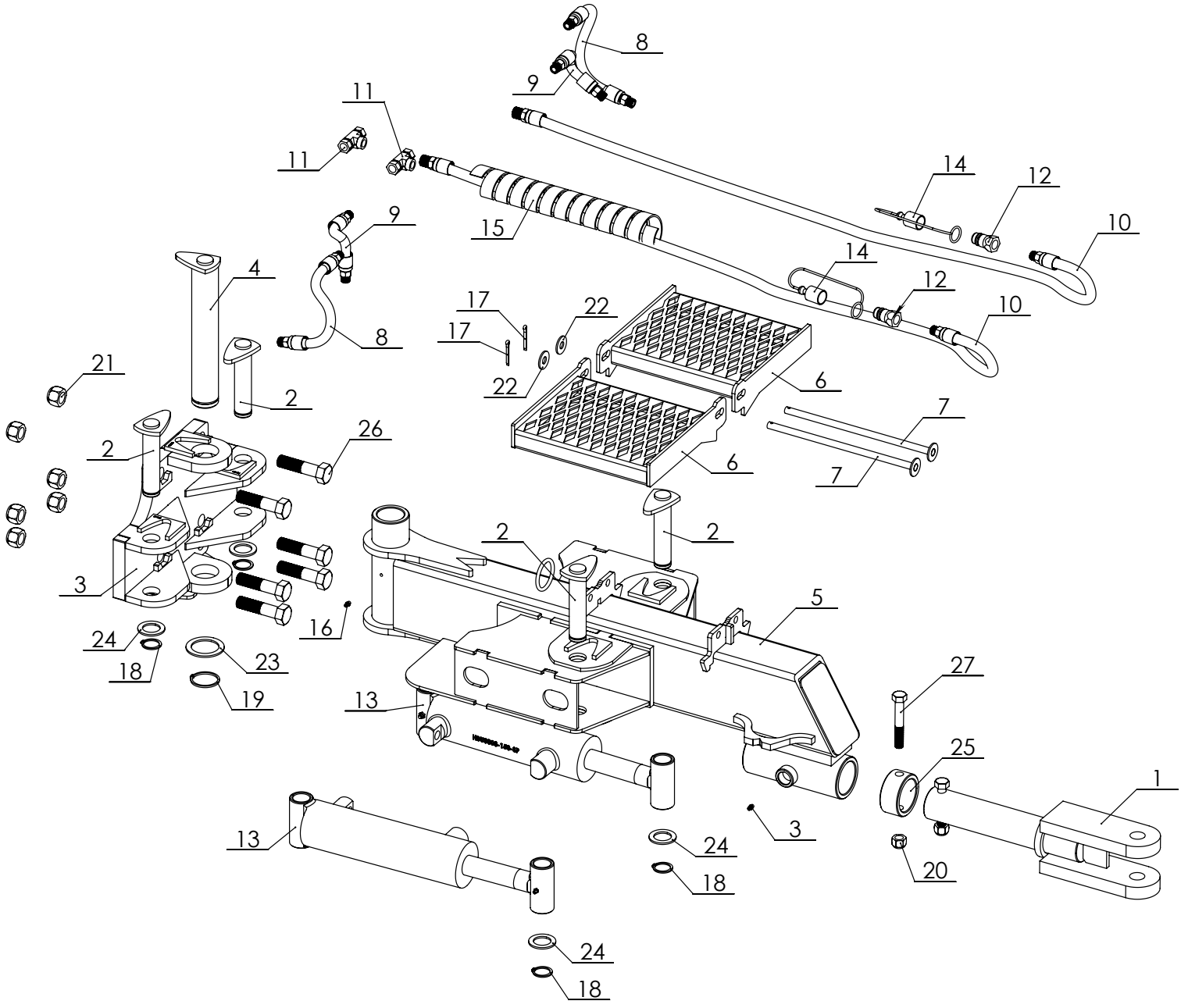
# Single cylinder directional drawbar assembly
# Part no. 59-076-03




See parts table on page 52

| PARTS LIST - SINGLE CYLINDER DIRECTIONAL DRAWBAR, PART NO. 59-076-03 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 59-003-08 | Hitch | 1 |
| 2 | 59-076-02 | Single cylinder directional bracket | 1 |
| 3 | 59-076-04 | Cylinder lock | 2 |
| 4 | 59-076-08 | Pin | 1 |
| 5 | 59-076-24 | Frame | 1 |
| 6 | 59-076-36 | Foot rest, deck span 9.5 | 2 |
| 7 | 59-076-74 | Pin | 2 |
| 8 | 140030-096-101740-101750 | Hydraulic hose assembly | 2 |
| 9 | 101200 | 90° Elbow NPSM Female SWI x NPT Male - 3/8" x 3/8" | 1 |
| 10 | 103420 | 3/8" Male - NPT x 3/8" Male - NPT | 1 |
| 11 | 109010 | Quick coupling Male x Female 1/2"-NPT | 2 |
| 12 | 120443 | Hydraulic cylinder 3" dia. x 8" stroke | 1 |
| 13 | 140000 | Dust cap 1/2" | 2 |
| 14 | 170010 | Spiral guard | 1 |
| 15 | 300860 | Bolt 5/8"-11 x 4" long | 1 |
| 16 | 301020 | Bolt 7/8"-9 x 3 1/2" long | 6 |
| 17 | 301570 | Nylon nut 5/8"-11 | 1 |
| 18 | 301590 | Nylon nut 7/8"-9 | 6 |
| 19 | 301310 | Flat washer 1/2" | 2 |
| 20 | 307063 | Snap-ring 1 1/4" | 2 |
| 21 | 307075 | Snap-ring 2" | 1 |
| 22 | 310881 | Cotter pin 1/8 x 1- 1/4 | 2 |
| 23 | 310020 | Straight grease fitting 1/4"-28 | 2 |
| 24 | 59-076-034 | Washer | 1 |
| 25 | 59-076-035 | Washer | 2 |
| 26 | 59-114-123 | Sleeve 3 1/4" O.D. x .375" (2.500" I.D.) | 1 |

# Double cylinder directional drawbar assembly
# Part no. 59-076-05




See parts table on page 54

| PARTS LIST - DOUBLE CYLINDER DIRECTIONAL DRAWBAR, PART NO. 59-076-05 | | | |
|---|---|---|---|
| ITEM | PART NO. | DESCRIPTION | QTY |
| 1 | 59-003-08 | Hitch | 1 |
| 2 | 59-076-04 | Cylinder lock | 4 |
| 3 | 59-076-06 | Double cylinder directional bracket | 1 |
| 4 | 59-076-08 | Pin | 1 |
| 5 | 59-076-23 | Frame | 1 |
| 6 | 59-076-36 | Foot rest, deck span 9.5 | 2 |
| 7 | 59-076-74 | Pin | 2 |
| 8 | 140030-011-101750-101750 | Hydraulic hose assembly 3/8" | 2 |
| 9 | 140030-006-101750-101750 | Hydraulic hose assembly 3/8" | 2 |
| 10 | 140030-096-101740-101750 | Hydraulic hose assembly 3/8" | 2 |
| 11 | 103700 | Hydraulic fitting Female NPSM Swivel Tee - Female NPSM Swivel - Female NPT | 2 |
| 12 | 109010 | Quick coupling Male x Female 1/2"-NPT | 2 |
| 13 | 120443 | Hydraulic cylinder 3" dia. x 8" stroke | 2 |
| 14 | 140000 | Dust cap 1/2" | 2 |
| 15 | 170010 | Spiral guard | 1 |
| 16 | 310020 | Straight grease fitting 1/4"-28 | 1 |
| 17 | 310881 | Cotter pin 1/8 x 1- 1/4 | 2 |
| 18 | 307063 | Snap-ring 1 1/4" | 4 |
| 19 | 307075 | Snap-ring 2" | 1 |
| 20 | 301570 | Nylon nut 5/8"-11 | 1 |
| 21 | 301590 | Nylon nut 7/8"-9 | 6 |
| 22 | 301310 | Flat washer 1/2" | 2 |
| 23 | 59-076-034 | Washer | 1 |
| 24 | 59-076-035 | Washer | 4 |
| 25 | 59-114-123 | Sleeve 3 1/4" O.D. x .375" (2.500" I.D.) | 1 |
| 26 | 301020 | Bolt 7/8"-9 x 3 1/2" long | 6 |
| 27 | 300860 | Bolt 5/8"-11 x 4" long | 1 |

## Safety Guidelines

**WARNING**. Read this instruction manual carefully before starting the loader. The technical data in this manual contains important information. Improper use can result in injury and damage to the machine.

Using a loader requires increased knowledge and experience. You must learn and know the behavior of the loader and practice using it. Study and practice the movement patterns with small loads until you master the machine completely. Stop all operations immediately if any bystanders enter the work zone (20 m).

Woody loaders are intended for normal use in the agricultural and forestry sectors. They must be used only by persons trained in the handling of this type of machinery.

- Before connecting the loader to the tractor's hydraulic system, you must read the tractor's instruction manual to ensure proper connections.
- Be extremely careful when connecting the loader to the tractor or the trailer to the tractor, as well as when detaching it.
- When operating, make sure everyone remains in the safety zone, outside of the loader risk area. The operator must have full visibility of the work zone.
- When operating, do not insert your hand or any other part of your body into the machine or under the load. Do not risk getting stuck between the different parts of the log loader or between the tractor and the trailer.
- Do not forget to raise the stabilizers before moving the equipment.
- When loading, always engage the tractor handbrake.
- Never leave the boom in a raised position without having control of the loader.
- Never use the loader to pull, push or hit.
- Be particularly careful when loading and unloading heavy materials.
- Never use the loading device during transport.
- To stop the machine, lower the loader boom and grapple on a firm surface, turn off the engine, engage the handbrake and remove the key from the ignition to prevent unauthorized use. The loader is not intended for lifting people.
- Be very careful when loading or unloading near high voltage lines. Keep a safe distance from live cables.

If the overload protection of the hydraulic system is not properly adjusted or certain system functions are altered, safety cannot be ensured.

- Always lower the hydraulic stabilizers before each operation to avoid overturning.
- Always check that any unauthorized personnel remain outside the work risk area.
- Never stand under a suspended load.
- Make sure that the tractor and trailer are always on firm ground so that there is no risk of overturning. When loading, use the stabilizers to prevent tilting of the loader.
- Make sure you always have a visual view of the work area.
- Do not work in conditions where you may get your fingers caught or hurt yourself.

When there is a risk of overturning, immediately lower the stick boom with the control lever.

- Hold the lever in this position until the load is on the ground. Do not interrupt the lowering movement as the risk of overturning will increase if the load stops abruptly.
- If the tractor rolls over, follow the instructions in the cab. Do not jump out of the cab. You could end up under the load during a fall or under the tractor.

Note: Even if the stabilizers have been lowered to the ground, the risk of overturning is greater when the trailer is empty or partially loaded.

## Cracks in hydraulic hoses

- In the event of pressure loss in the hydraulic fluid or cracks in the hydraulic hoses, you must immediately shut down the tractor engine and lower the load to the ground. Stop the hydraulic flow. Repair the leak.
- If the main pressure hose between the tractor and the control system is cracked, you must interrupt the oil flow by disconnecting the lever control associated with the tractor's hydraulic distributor or by shutting off the engine with the OFF button.

## Driving on the Road

- Observe the following instructions to avoid any risk of accident:

## Position during Transport

- If there is no load, position the loader boom as low as possible on the trailer. Make sure that the grapple and the rotator are firmly attached to the trailer, so that there is no risk of the loader rolling over during transport.
- Make sure that none of the additional equipment connected to the loader is likely to cause an accident during transport.

## Control is Important

- You must constantly be in control of the machine at all times and in all situations.
- Check that the "slow vehicle" plate and the reflective signals are correctly positioned. Check if the trailer lights are functioning correctly and check the tire pressure.
- The total permitted weights (in particular the weight of the axle) and the transport dimensions must never be exceeded.
- You must adapt your speed to the driving situation. Drive with caution when one side is tilted, as well as on sloping ground. There is a risk of overturning.
- Respect the laws of the road and applicable regulations.
- The braking distance of a tractor equipped with a trailer is longer than for other vehicles, beware of the risk of skidding and check for irregularities in the road.
- Secure the load and other loose parts securely.

## Oil and Grease Caution

- Avoid any oil or grease contact with the skin during maintenance. Wear appropriate protective clothing.
- Never wash your hands with lubricating oil or grease. It may damage your skin. If your skin is irritated after contact with oil or grease, contact a doctor immediately.
- When servicing, waste oil should be disposed of in accordance with local regulations.

## Welding Repair

- If a repair or modification requires the welding of certain parts, you must first contact your dealer for necessary instructions. Improper welding or negligence during welding can cause sudden machine breakdowns.

## Working in Extreme Conditions

- The recommended ambient temperature for the operation of this machine is between -20 °C and + 30 °C. Low or high temperatures result in increased wear and stress on joints and hoses. In addition, steel wears faster, and cracks can occur.
- When working in extreme conditions, reduce loads to prevent damage. In case of low temperature let the hydraulic oil circulate freely during several minutes. Then operate each function several times to soften the joints and hoses before applying full pressure. When it is extremely hot, pay attention to the oil temperature. A temperature above 80 °C alters the properties of the oil and damages joints and hoses.

## Maintenance / Service

- Regular maintenance and service ensure optimal and cost-effective operation.

Note: Failure to follow the instructions in this manual will void all warranties related to this machine. Regular and proper maintenance are a prerequisite for warranty coverage.

## Maintenance and Servicing Safety Instructions

- Regular maintenance and service ensure optimal and cost-effective operation.

Note: Failure to follow the instructions in this manual will void all warranties related to this machine. Regular and proper maintenance are a prerequisite for warranty coverage.

- Read the instructions before servicing the machine. Each maintenance task requires reading and following instructions. Maintenance and lubrication should be done at the recommended intervals.
- Always use tools suitable for the maintenance / servicing tasks involved. Wear protective clothing and glasses.

- Shut off the tractor engine and remove the ignition key. If the engine has to run during certain maintenance operations, please stay away from any moving parts of the machine.
- Be extremely careful with pressurized oil. Oil under high pressure easily penetrates the skin. In case of accident, consult a doctor immediately.

## Maintenance and Servicing Safety Instructions

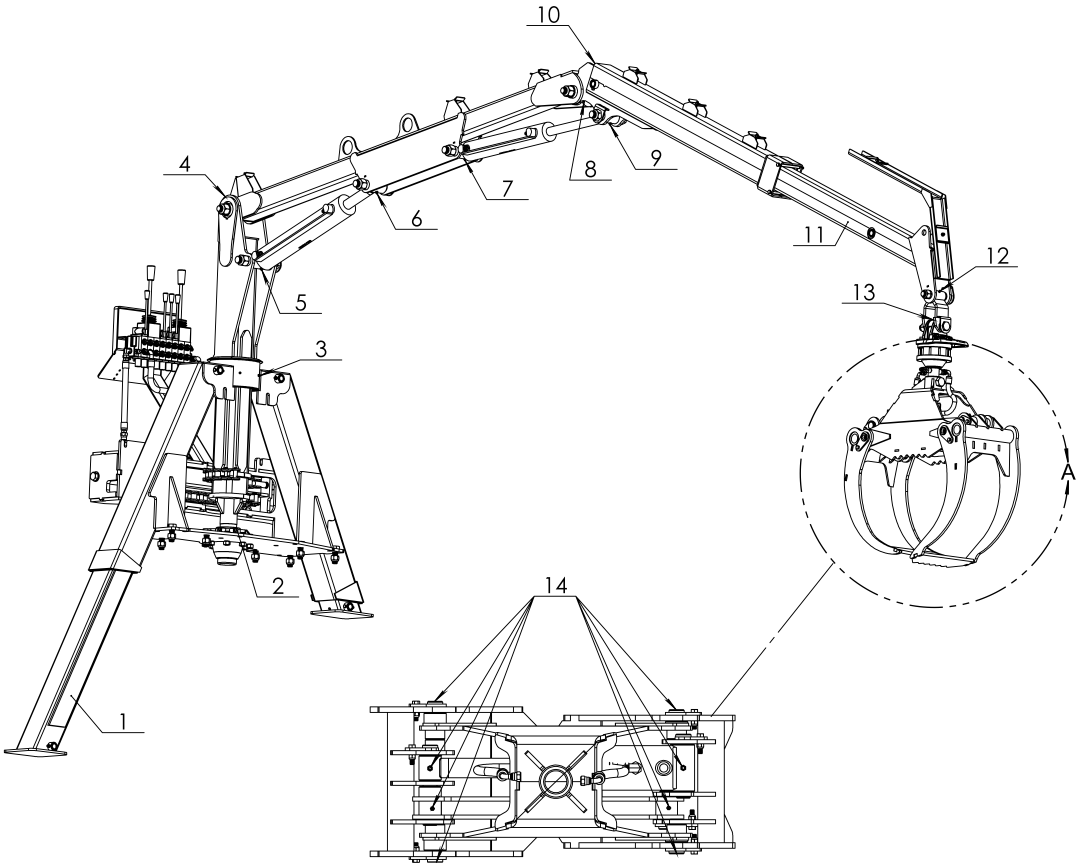
- Hot oil can cause burns. Inhalation of hot oil vapor can cause breathing difficulties.
- If a hose bursts and you get oil on your skin, it is not dangerous. However, avoid oil contact with eyes and nose. If you get oil in your eyes or in your respiratory tract, contact a doctor immediately.
- Keep explosive and flammable liquids away from sparks and open flames.

## Daily inspections

It is important to inspect the equipment daily. If you notice a defect, you must repair it immediately.

- When under load pressure, worn bolts can provoke a risk of rupture. If cracks are detected on the loader, any operation in progress must be stopped immediately.
- Damaged hoses must be replaced immediately. Check for leaks. Oil leaks create a risk of accidents and can harm the environment.
- Check the bolts and tighten the bolts if necessary.
- Perform the various movement patterns of the loader to verify that all functions are intact and working properly.

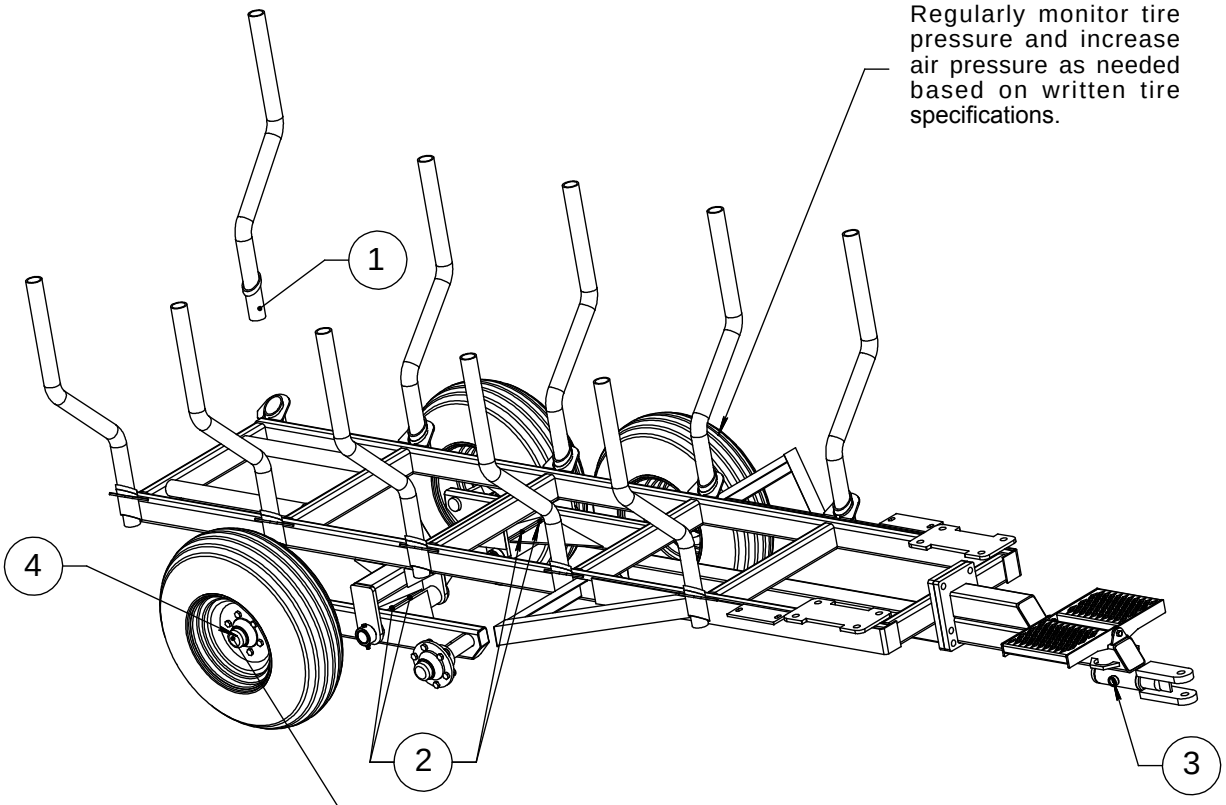
# Loader Maintenance Instructions




Detail A
Scale: 1:12

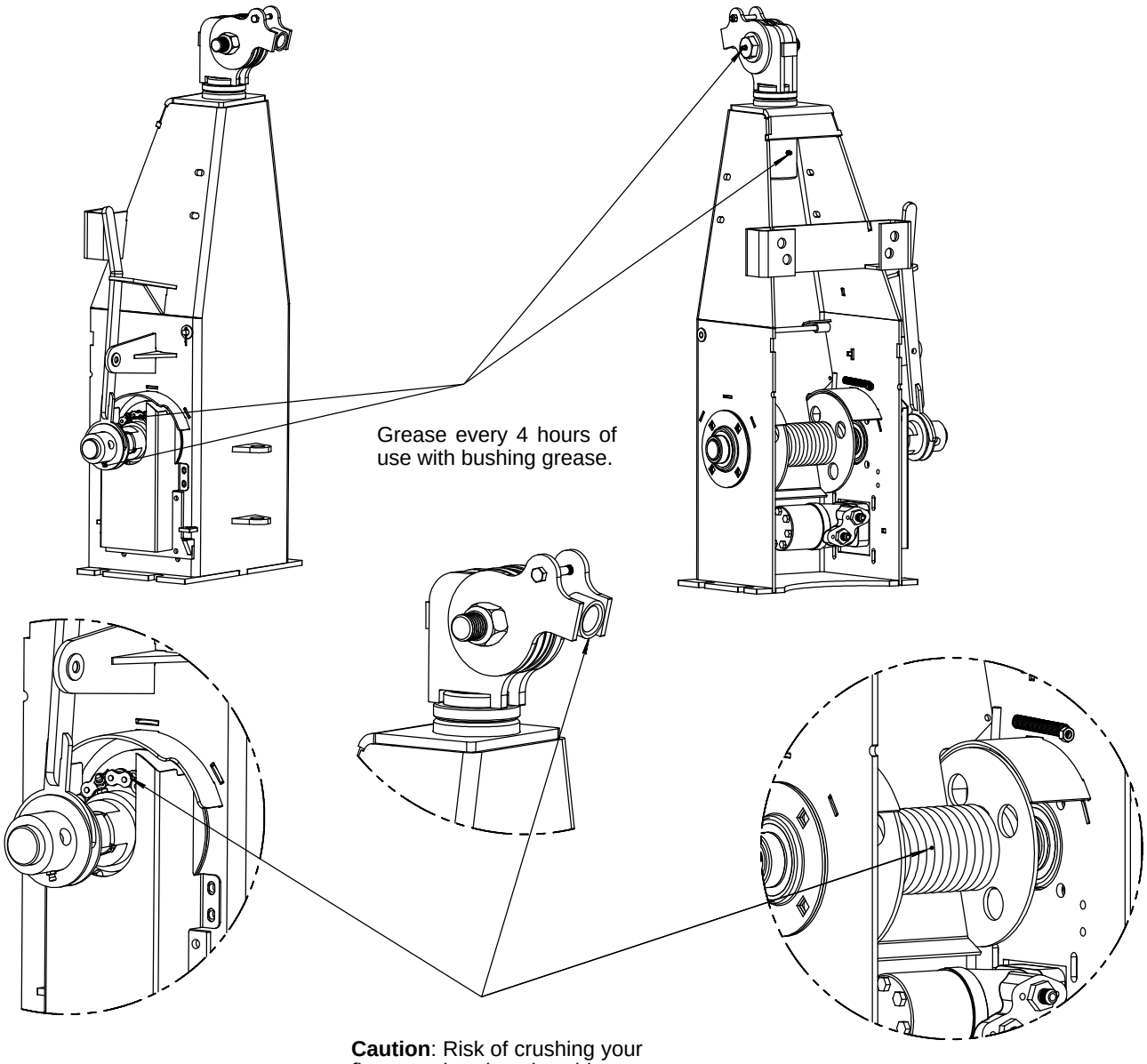
| LOADER MAINTENANCE INSTRUCTIONS | | | |
|---|---|---|---|
| ITEM | GREASING POINT | LUBRICATING OIL | GREASING INTERVAL HOURLY/YEARLY |
| 1 | Telescopic stabilizer leg | Bushing grease | Once a year, generously |
| 2 | Hub/bearing | Bearing grease | Every 10 hours |
| 3 | Rotation | Bushing grease | Every 10 hours |
| 4 | Front pin | Bushing grease | Every 10 hours |
| 5 | Cylinder pin | Bushing grease | Every 10 hours |
| 6 | Cylinder pin | Bushing grease | Every 10 hours |
| 7 | Cylinder pin | Bushing grease | Every 10 hours |
| 8 | Center booms pin | Bushing grease | Every 10 hours |
| 9 | Cylinder pin | Bushing grease | Every 10 hours |
| 10 | Cylinder Pin | Bushing grease | Once a year |
| 11 | Telescopic boom | Bushing grease | Once a year |
| 12 | Rotation pin | Bushing grease | Every 10 hours |
| 13 | Rotation pin | Bushing grease | Every 10 hours |
| 14 | Rotation pin | Bushing grease | Every 10 hours |

# Forestry Trailer Maintenance


Regularly monitor tire pressure and increase air pressure as needed based on written tire specifications.
1
2
3
4
By prevention, remove the cap once a year, tighten the castellated nut, fill the cap with grease and replace the cap.

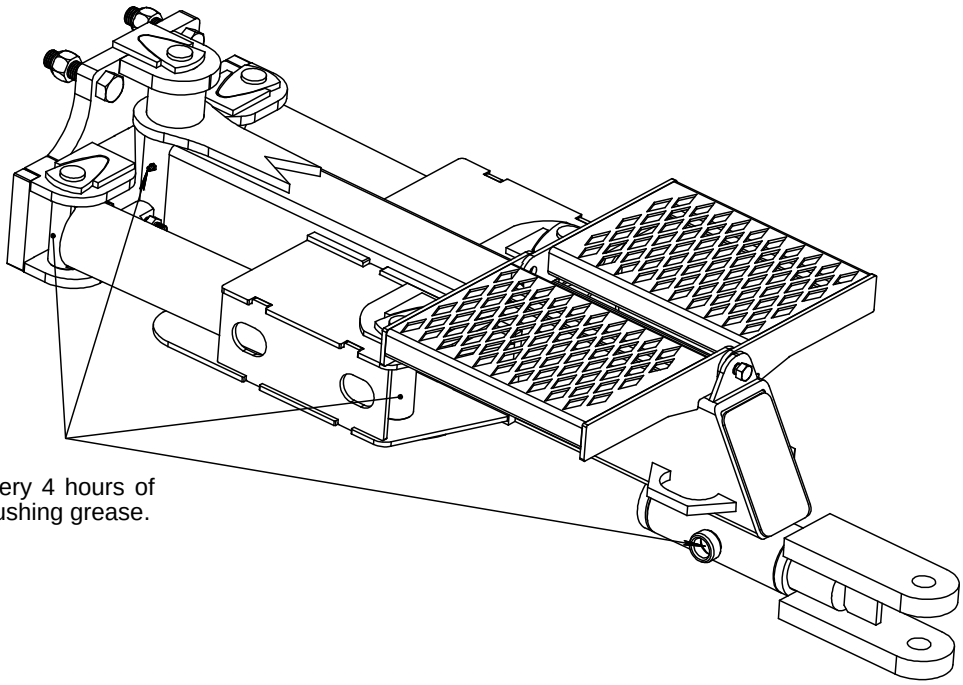
| FORESTRY TRAILER MAINTENANCE | | | |
|---|---|---|---|
| ITEM | GREASING POINT | LUBRICATING OIL | GREASING INTERVAL HOURLY/YEARLY |
| 1 | Post | Bushing grease | Once a year, generously |
| 2 | Tandem pin | Bushing grease | Every 10 hours |
| 3 | Hitch pin | Bushing grease | Every 10 hours |
| 4 | Hub | Bushing grease | Every 10 hours |

## Winch Maintenance and Safety Instructions

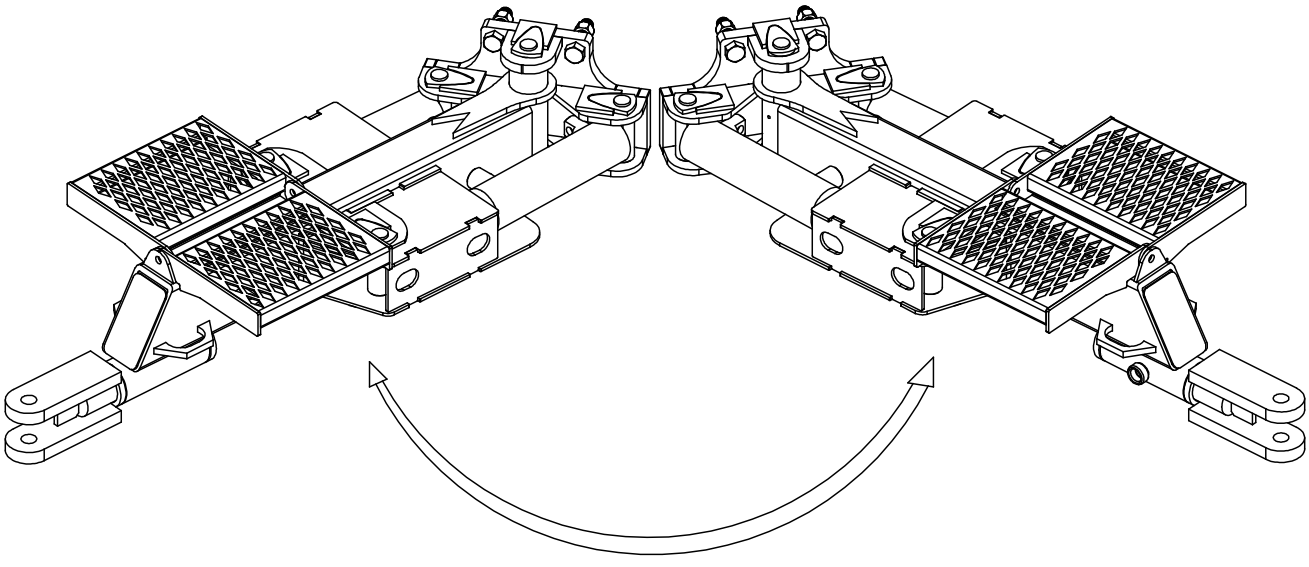

Grease every 4 hours of use with bushing grease.
**Caution**: Risk of crushing your fingers or hand, and could even lead to death!

**Note**: 6000 lbs winch illustrated. Your winch may vary.

# Double Drawbar Maintenance and Safety Instructions



Grease every 4 hours of use with bushing grease.



Make sure that no one is standing in the parameter and also make sure that no one is standing on the step!

## Storage

If you plan to stop using the loader for a long period of time, it should be cleaned carefully. Note that high pressure cleaning is not recommended! After cleaning, make a visual inspection for any cracks (if you find any, you must have them repaired before the next use of the loader) all grease nipples must be lubricated. The grease is used to evacuate water and thus neutralize corrosion and wear.

- Store the loader under a roof. If this is not possible, cover it with a tarpaulin.
- Place loader boom and grapple in the transport position.

Note: A stored loader is not a play area for children.

# 1 YEAR LIMITED WARRANTY

Les Équipements Woody Inc.

## Warranty Qualifications

Les Équipements Woody Inc.(hereinafter referred to as "Woody") warrants it's Log Loader (hereinafter referred to as the "Product" against defects in material or factory workmanship, subject to all the terms and conditions stated herein.

All Products manufactured by Woody and used for domestic purposes (excluding commercial and industrial use) are covered by a one (1) year warranty applicable from the purchase date, except in particular cases when the warranty might be modified according to adjustments specified on the sales contract.

The warranty extends only to the original purchaser (hereinafter referred to as the "Buyer") of the Product and not to other purchasers or transferees unless agreed to in writing by Woody that the mechanical and electrical components will be free of defects in material and workmanship for the warranty period. The warranty covers all the parts of the new Product, except the hydraulic hoses, the hydraulic fittings and the electrical wires, and includes the labor performed by Woody or by a Woody authorized Dealer (hereinafter referred to as the "Dealer").

## Warranty Repair and Replacement Service

All warranted repairs must be performed by Woody or by an authorized Dealer with the written consent of Woody, otherwise the warranty will be voided. Woody reserves the right to either repair or replace, without cost to the buyer any part judged defective on grounds of defective materials or workmanship. It also reserves the right to determine if the defect resulted from lack of maintenance or incorrect or abusive use of the Product.

In the event of any failure caused by a defect in material or in factory workmanship covered by this warranty, the Buyer shall: (1) notify Woody of the nature of the problem without delay; (2) stop using or operating the Product, unless authorized in writing by Woody.

Warranty service shall be performed at the point of purchase of the Product either by Woody or by a Dealer using parts provided by Woody.

If the Product was purchased directly from Woody, the Buyer shall return either the Product or the defective parts "prepaid" to Woody without delay. If Woody deems that the parts are in fact defective, it shall repair or replace the parts and, when the Product is returned to Woody, install them free of charge to the Buyer.

If the Product was purchased from a Dealer, Woody shall provide the replacement parts to the Buyer through the intermediary of the Dealer. The Dealer shall install the parts and return the replaced parts to Woody, "prepaid" by the Buyer, within thirty (30) days of the repairs. The parts and their installation shall be without charge to the Buyer providing that the replaced parts are proven defective to Woody's satisfaction.

In all cases, all costs related to the transportation of parts or of the Product to and from Woody or the Dealer, any premium charged for overtime labor requested by the Buyer or for any service and/or maintenance shall be the sole responsibility of the Buyer.

All parts replaced under the warranty shall remain the property of Woody.

If the Buyer fails to follow any of the above procedures or if the parts are not proven to be defective to Woody's satisfaction, the Buyer shall not benefit from the warranty.

### No Dealer Warranty

The Dealer has no authority to make any representation or promise on behalf of Woody, or to modify the terms or limitations of this warranty in any way.

### Warranty Exclusions

This warranty does not cover the following:

Product needs periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole or by lack of reasonable and proper maintenance, by lack of proper protection during storage, by failure to follow operating instructions and/or failure to operate the Product according to the specifications outlined by Woody.

This warranty does not apply to damage caused to the Product or machinery by the Buyer or Dealer during installation of the Product or due to improper installation of the Product.

This warranty will not apply to parts and/or labour if this Product is deemed to have been misused, neglected, involved in an accident, abused or defects caused by any alteration or modification of the Product not approved in writing by Woody.

### Other Exclusions

This warranty excludes:

- Cosmetic defects such as paint, decals, etc.
- Any damage resulting from overturning the machine.
- Failures due to acts of God and any other major force events beyond Woody's control.
- Problems caused by parts that are not original Woody parts.
- Certain parts are guaranteed by their respective manufacturer.

### Limits of Implied Warranty and Consequential Damage

Woody disclaims any obligation to cover any material or personal damages, including loss of time, loss of income use of this Product, replacement rental, freight or any other damages caused by a defective Product or any incidental or consequential claim by anyone from using this Product.

### Contact information

**Address**
Les Équipements Woody Inc.
205 rue Commerciale
Saint-Odilon (QC)
Canada G0S 3A0

www.equipementswoody.com

**Parts and Service**
T. 418 464-2748
F. 418 464-2746
info@equipementswoody.com

When ordering replacement parts please contact Woody Equipment or your closest authorized Woody Equipment dealer.

**WOODY EQUIPMENT INC.**
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